



# C. U. SHAH UNIVERSITY

## Wadhwan City

**FACULTY OF:-** Computer Science  
**DEPARTMENT OF:-** Master of Computer Applications  
**SEMESTER:-** -I  
**CODE:-** - 5CS03MPF1  
**NAME –** PROGRAMMING TECHNIQUE-VI (DBMS)

### Teaching and Evaluation Scheme

Subject Code	Name of the Subject	Teaching Scheme (Hours)				Credits	Evaluation Scheme								
		Th	Tu	Pr	Total		Theory				Practical (Marks)			Total	
							Sessional Exam		University Exam		Internal		University		
							Marks	Hrs	Marks	Hrs	Pr/Viva	TW	Pr		
5CS01MPF1	PROGRAMMING TECHNIQUE-VI (DBMS)	-	-	4	2	-	-	-	-	-	-	20	-	80	<b>100</b>

**PRACTICAL LIST:**

1	<p>➤ Create the following tables:</p> <ol style="list-style-type: none"> <li>1. Create LOCATION Table with columns Location_Id, Regional_Group.            Constraints on LOCATION table: Location_Id Primary Key.</li>   <li>2. Insert the following records into the table LOCATION:           <table style="margin-left: 40px; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">LOCATION_ID</th> <th style="text-align: left;">REGIONAL_GROUP</th> </tr> <tr> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">122</td> <td style="text-align: center;">NEW YORK</td> </tr> <tr> <td style="text-align: center;">123</td> <td style="text-align: center;">DALLAS</td> </tr> <tr> <td style="text-align: center;">124</td> <td style="text-align: center;">CHICAGO</td> </tr> <tr> <td style="text-align: center;">167</td> <td style="text-align: center;">BOSTON</td> </tr> </tbody> </table> </li>   <li>3. Create DEPARTMENT Table with columns Department_Id, Name, Location_ID.            Constraints on DEPARTMENT table: Department_Id Primary Key, Location_Id references LOCATION table.</li>   <li>4. Insert the following records into DEPARTMENT table:           <table style="margin-left: 40px; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">DEPRATMEMT_ID</th> <th style="text-align: left;">NAME</th> <th style="text-align: left;">LOCATION_ID</th> </tr> <tr> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">ACCOUNTING</td> <td style="text-align: center;">122</td> </tr> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">RESEARCH</td> <td style="text-align: center;">124</td> </tr> </tbody> </table> </li> </ol>	LOCATION_ID	REGIONAL_GROUP	-----	-----	122	NEW YORK	123	DALLAS	124	CHICAGO	167	BOSTON	DEPRATMEMT_ID	NAME	LOCATION_ID	-----	-----	-----	10	ACCOUNTING	122	20	RESEARCH	124
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30	SALES	123
40	OPERATIONS	167

5. Create JOB Table with columns Job\_Id, Funcation.  
 Constraints on JOB table: Job\_ID Primary Key.

6. Insert the following records into JOB table:

JOB_ID	FUNCTION
-----	-----
667	CLERK
668	STAFF
669	ANALYST
670	SALESPERSON
671	MANAGER
672	PRESIDENT

7. Create EMPLOYEE Table with columns Employee\_Id, Last\_Name, First\_Name, Middle\_Name, Job\_Id, Manager\_Id, Hire\_Date, Salary, Comm, Department\_ID.  
 Constraints on EMPLOYEE table: Employee\_Id Primary Key, Last\_Name NotNull, Department\_Id references DEPARTMENT table.

8. Insert the following records into EMPLOYEE table:

EMPLOY EE_ID	LAST_ NAME	FIRST_ NAME	MIDDLE_ NAME	JOB _ID	MANAG ER_ID	HIRE_ DATE	SAL ARY	CO M M	DEPARTM ENT_ID
-----	-----	-----	-----	-----	-----	-----	-----	---	-----
7369	SMITH	JOHN	Q	667	7902	17- DEC- 84	800	NU LL	20
7499	ALLEN	KEVIN	J	670	7698	20- FEB-85	1600	300	30
7505	DOYLE	JEAN	K	671	7839	04- APR-85	2850	NU LL	30



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7506	DENNIS	LYNN	S	671	7839	15-MAY-85	2750	NULL	30
7507	BAKER	LESLIE	D	671	7839	10-JUN-85	2200	NULL	40
7521	WARK	CYNTHIA	D	670	7698	22-FEB-85	1250	500	30

- 2 ➤ Perform the following queries on the tables given in Set no. 1:
1. List all job details.
  2. List all the locations.
  3. List out first name,last\_name,salary, commission for all employees.
  4. List out employee\_id,last\_name,department\_id for all employees and rename employee\_id as “ID of the employee”, last\_name as “Name of the employee”, department\_id as “department ID”.
  5. List out the employee’s annual salary with their names only.
  6. List out the employees who are working in department 20.
  7. List out the employees who are earning salary between 3000 and 4500.
  8. List out the employees who are working in department 10 or 20.
  9. List out the employees whose name starts with “S”.
  10. List out the employees whose name length is 4 and start with “S”
- 3 ➤ Perform the following queries on the tables given in Set no. 1:
1. List out the employee id, last name in ascending order based on the employee id.
  2. List out the employee id, name in descending order based on salary column.
  3. List out the employee details according to their last\_name in ascending order and salaries in descending order.
  4. List out the employee details according to their last\_name in ascending order and then on department\_id in descending order.
  5. How many employees who are working in different departments wise in the organization
  6. List out the department wise maximum salary, minimum salary, average salary of the employees
  7. List out the no. of employees for each month and year, in the ascending order based on the year, month.
  8. List out the department id having at least four employees.
  9. How many employees in January month.



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	10. Which is the department id, having greater than or equal to 3 employees joined in April 1985.																								
4	<p>➤ Perform the following queries on the tables given in Set no. 1:</p> <ol style="list-style-type: none"><li>1. Display the employee who got the maximum salary.</li><li>2. Display the employees who are working in Sales department.</li><li>3. Display the employees who are working as “Clerk”.</li><li>4. Find out no. of employees working in “Sales” department.</li><li>5. List our employees with their department names.</li><li>6. Display employees with their designations (jobs).</li><li>7. How many employees who are working in different departments and display with department name.</li><li>8. How many jobs in the organization with designations.</li><li>9. Display employee details with all departments.</li><li>10. List out the common jobs in Research and Accounting Departments in ascending order.</li></ol>																								
5	<p>➤ Create the following tables:</p> <ol style="list-style-type: none"><li>1. Create STUDENT Table with fields rollno, name, class, birthdate Constraints on STUDENT table: rollno primary key and rollno must start with letter ‘R’.</li><li>2. Insert the following records into Student Table: <table><thead><tr><th>ROLLNO</th><th>NAME</th><th>CLASS</th><th>BIRTHDATE</th></tr></thead><tbody><tr><td>R1</td><td>Pritesh Patel</td><td>A</td><td>23-FEB-89</td></tr><tr><td>R2</td><td>Sugeet Patel</td><td>A</td><td>05-SEP-85</td></tr><tr><td>R3</td><td>Dipesh Patel</td><td>B</td><td>24-MAR-76</td></tr><tr><td>R4</td><td>Chandresh patel</td><td>B</td><td>17-APR-87</td></tr><tr><td>R5</td><td>Bhavin Jilvaani</td><td>A</td><td>25-DEC-75</td></tr></tbody></table></li><li>3. Create COURSE Table with fields courseno, coursename, max_marks, pass_marks Constraints on COURSE table: courseno primary key, check for max_mark&gt;0, also check for pass_mark&gt;0 and pass_marks&lt;max_marks.</li><li>4. Insert the following records into Course Table:</li></ol>	ROLLNO	NAME	CLASS	BIRTHDATE	R1	Pritesh Patel	A	23-FEB-89	R2	Sugeet Patel	A	05-SEP-85	R3	Dipesh Patel	B	24-MAR-76	R4	Chandresh patel	B	17-APR-87	R5	Bhavin Jilvaani	A	25-DEC-75
ROLLNO	NAME	CLASS	BIRTHDATE																						
R1	Pritesh Patel	A	23-FEB-89																						
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COURSENO	COURSENAME	MAX_MARKS	PASS_MARKS
610001	FOP	90	40
610002	FOP Prac	90	40
610003	MATHS	90	40
610004	COMP ORG	90	40
610005	DBMSI	90	40
610006	SQL & PL/SQL	90	40
610007	ERFM	90	40

1. Create SC Table with fields rollno, cursoeno, marks:

Constraints on Sc table: marks must be greater than 0, rollno, cursoeno primary key, rollno references students and cursoeno references course.

2. Insert the following records into SC Table:

ROLLNO	COURSENO	MARKS
R3	610005	70
R3	610001	70
R3	610002	68
R3	610003	58
R3	610004	74
R3	610006	59
R3	610007	55
R1	610001	80
R1	610002	89
R1	610003	78
R1	610004	88
R1	610005	76
R1	610006	85
R1	610007	90
R2	610001	90



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	R2 610002 85
	R2 610003 78
	R2 610004 75
	R2 610005 68
	R2 610006 59
	R2 610007 74
	R4 610001 75
	R4 610002 45
	R4 610003 58
	R4 610004 68
	R4 610005 78
	R4 610006 62
	R4 610007 63
	R5 610001 70
	R5 610002 78
	R5 610003 52
	R5 610004 79
	R5 610005 85
	R5 610006 76
	R5 610007 80
6	<p>➤ Perform the following queries on the tables given in Set no. 5:</p> <ol style="list-style-type: none"><li>1. Add constraint that marks entered are between 0 to 100 only.</li><li>2. While creating COURSE table, primary key constraint was forgotten. Add the primary key now.</li><li>3. Display details of student where course is 'Data Base Management System'</li><li>4. Select student names who have scored more than 70% in Computer Networks and have not failed in any subject.</li><li>5. Select names and class of students whose names begin with 'A' or 'B'.</li><li>6. Display average marks obtained by each student.</li><li>7. Select all courses where passing marks are more than 30% of average maximum marks.</li><li>8. Select the course where Second and third characters are 'AT'</li><li>9. Display details of students born in 1975 or 1976.</li></ol>



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	10. Find out the cousewise average marks from SC table.																		
7	<p>➤ Perform the following miscellaneous queries:</p> <ol style="list-style-type: none"><li>1. Add 15 days to current date.</li><li>2. Add and subtract 5 months from current month.</li><li>3. Calculate months between current months and '3-7-2008'</li><li>4. Find last day of current month.</li><li>5. How many days left in a current month?</li><li>6. Find ASCII value of letter 'R'.</li><li>7. Find name of all constraint based on particular table.</li><li>8. Find difference between current date and specified date.</li><li>9. Find username and userid from current login.</li><li>10. Find the occurrence of 'or' in the string.</li></ol>																		
8	<p>➤ Create the following tables:</p> <ol style="list-style-type: none"><li>1. Create the table SCREEN with the fields (screen_id, location, seating_cap)  Constraints on SCREEN table: screen_id primary key, location not null, seating_cap not null, Screen_Id must start with S, location values must be either FF,SF or TF, seating_cap must be greater then 0.</li><li>2. Insert the following records into SC Table:  <table><thead><tr><th>SCREEN_ID</th><th>LOCATION</th><th>SEATING_CAP</th></tr></thead><tbody><tr><td>S1</td><td>SF</td><td>400</td></tr><tr><td>S2</td><td>TF</td><td>350</td></tr><tr><td>S3</td><td>TF</td><td>250</td></tr><tr><td>S4</td><td>SF</td><td>300</td></tr><tr><td>S5</td><td>TF</td><td>170</td></tr></tbody></table></li><li>3. Create the table MOVIE with the fields (movie_id, movie_name, date_of_release)  Constraints on MOVIE table: movie_id primary key, movie_name unique, date_of_release not null.</li></ol>	SCREEN_ID	LOCATION	SEATING_CAP	S1	SF	400	S2	TF	350	S3	TF	250	S4	SF	300	S5	TF	170
SCREEN_ID	LOCATION	SEATING_CAP																	
S1	SF	400																	
S2	TF	350																	
S3	TF	250																	
S4	SF	300																	
S5	TF	170																	



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4. Insert the following records into the table MOVIE:

MOVIE_ID	MOVIE_NAME	DATE_OF_RELEASE
M01	Star Wars III	11-SEP-09
M02	Oceans 13	10-JUL-09
M03	Armageddon	18-FEB-05
M04	Step up	27-SEP-02
M05	Terminator-3	25-OCT-05

5. Create the table CURRENT1 with the fields (screen\_id, movie\_id, date\_of\_arrival, date\_of\_closure)

Constraints on CURRENT1 table: screen\_id references SCREEN table, movie\_id references MOVIE, date\_of\_arrival not null, date\_of\_closure not null, check for date\_of\_arrival < date\_of\_closure.

6. Insert the following records into the table CURRENT1:

SCREEN_ID	MOVIE_ID	DATE_OF_ARRIVAL	DATE_OF_CLOSURE
S1	M01	13-JUL-09	26-AUG-09
S2	M03	25-APR-04	03-MAY-04
S3	M02	05-JAN-09	25-FEB-09
S4	M04	16-MAR-09	20-APR-09
S5	M05	03-MAY-05	09-JUL-05

- 9 ➤ Perform the following queries on the tables given in Set no. 8:
1. Get the name of movie which has run the longest in the multiplex so far.
  2. Get the average duration of a movie on screen number 'S4'.
  3. Get the details of movie that closed on date 24-november-2004.
  4. Movie 'star wars III' was released in the 7th week of 2005. Find out the date of its release considering that a movie releases only on Friday.
  5. Get the full outer join of the relations screen and current.

- 1 ➤ Create the following tables:





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0 1. Create the table DISTRIBUTOR with the fields (DNO, DNAME, DADDRESS, DPHONE)

Constraints on table DISTRIBUTOR: dno primary key, dname not null.

2. Insert the following records into the table DISTRIBUTOR

DNO	DNAME	DADDR	DPHONE
-----	-----	-----	----- D01 Hardik Ode
	9315462		
D02	Dhaval	Anand	9325135
D03	AAAAOH	Baroda	9563154
D04	Mr. Talkative	Vasad	9321354
D05	Dipen	Thasara	9345432

3. Create the table ITEM1 with the fields (ITEMNO, ITEMNAME, COLOR, WEIGHT)

Constraints on table ITEM1: itemno primary key, itemname not null, check for weight>0

4. Insert the following records into the table ITEM1:

ITEMNO	ITEMNAME	COLOUR	WEIGHT
-----	-----	-----	-----
I01	Screw	Black	20
I02	Bolt	white	100
I03	Nut	red	50
I04	Hammer	green	75
I05	Washer	red	110
I06	Wire	Gray	37
I07	Nail	Green	46

5. Create the table DIST\_ITEM with the fields (DNO, ITEMNO, QTY):

Constraints of table DIST\_ITEM: dno references DISTRIBUTOR table, itemno references ITEM table

6. Insert the records into the table DIST\_ITEM:



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	<table border="1"> <thead> <tr> <th>DNO</th> <th>ITEMNO</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>D01</td> <td>I02</td> <td>130</td> </tr> <tr> <td>D02</td> <td>I01</td> <td>500</td> </tr> <tr> <td>D03</td> <td>I05</td> <td>420</td> </tr> <tr> <td>D04</td> <td>I03</td> <td>320</td> </tr> <tr> <td>D05</td> <td>I06</td> <td>160</td> </tr> <tr> <td>D02</td> <td>I04</td> <td>190</td> </tr> <tr> <td>D01</td> <td>I07</td> <td>462</td> </tr> <tr> <td>D05</td> <td>I01</td> <td>256</td> </tr> <tr> <td>D03</td> <td>I04</td> <td>315</td> </tr> </tbody> </table>	DNO	ITEMNO	QTY	D01	I02	130	D02	I01	500	D03	I05	420	D04	I03	320	D05	I06	160	D02	I04	190	D01	I07	462	D05	I01	256	D03	I04	315
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D05	I01	256																													
D03	I04	315																													
1	➤ Perform the following queries on the tables given in Set no. 10:																														
1	<ol style="list-style-type: none"> <li>1. Add column CONTACT_PERSON to the distributor table with the not null constraint.</li> <li>2. Create a view LONDON_DIST on DIST_ITEM which contains only those records where distributors are from London. Make sure that this condition is checked for every DML against this view.</li> <li>3. Display detail of all those item that have never been supplied. Select * from item1 where itemno not in(select itemno from dist_item) no rows selected.</li> <li>4. Delete all those items that have been supplied only once.</li> <li>5. List the names of distributors who have an 'A' and also a 'B' somewhere in their names.</li> </ol>																														
1	➤ Perform the following queries on the tables given in Set no. 10:																														
2	<ol style="list-style-type: none"> <li>1. Count the number of items having the same color but not having weight between 20 and 100</li> <li>2. Display all those distributors who have supplied more than 1000 parts of the same type.</li> <li>3. Display the average weight of items of same colour provided at least one items have that colour.</li> <li>4. Display the position where a distributor name has an 'OH' in its spelling somewhere after the forth character.</li> <li>5. Count the number of distributors who have a phone connection and are supplying item number 'I100'.</li> </ol>																														
1	➤ Perform the following queries on the tables given in Set no. 10:																														
3	<ol style="list-style-type: none"> <li>1. Create a view on the table in such a way that the view contains the distributor name, item name and the quantity supplied.</li> <li>2. List the name, address and phone number of distributors who have the same three digits in their number as 'Mr. Talkative'.</li> <li>3. List all distributor names who supply either item I01 or I07 and the quantity supplied is more than 100.</li> <li>4. Display the data of the top three heaviest ITEMS.</li> </ol>																														



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5.	Count the total quantity group by itemno.																																																																																
1	➤ Create the following tables:																																																																																
4	<p>1. Create the table WORKER with the fields (worker_id, name, wage_per_hour, specialized_in, manager_id)</p> <p>Constraints on table WORKER: worker_id primary key, name not null, manager_id primary key, check for wage_per_hour &gt;= 0.</p> <p>2. Insert the following records into the table WORKER:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">WOR</th> <th style="text-align: left;">NAME</th> <th style="text-align: left;">WAGE_PER_HOUR</th> <th style="text-align: left;">SPECIALISED_IN</th> <th style="text-align: left;">MAN</th> </tr> <tr> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> </tr> </thead> <tbody> <tr> <td>W01</td> <td>Mr.Cacophonix</td> <td>50</td> <td>Polishing</td> <td>M01</td> </tr> <tr> <td>W02</td> <td>Dhaval</td> <td>40</td> <td>Polishing</td> <td>M02</td> </tr> <tr> <td>W03</td> <td>Dipen</td> <td>35</td> <td>Fitting</td> <td>M03</td> </tr> <tr> <td>W04</td> <td>Hardik</td> <td>30</td> <td>Marketing</td> <td>M04</td> </tr> <tr> <td>W05</td> <td>Jigar</td> <td>55</td> <td>Fitting</td> <td>M05</td> </tr> </tbody> </table> <p>3. Create the table JOB with the fields (job_id, type_of_job, status):</p> <p>4. Insert the following records into the table JOB:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">JOB</th> <th style="text-align: left;">TYPE_OF_JOB</th> <th style="text-align: left;">S</th> </tr> <tr> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> <th style="text-align: left;">-</th> </tr> </thead> <tbody> <tr> <td>J01</td> <td>Packing</td> <td>A</td> </tr> <tr> <td>J02</td> <td>Editing</td> <td>A</td> </tr> <tr> <td>J03</td> <td>Moulding</td> <td>B</td> </tr> <tr> <td>J04</td> <td>Accounting</td> <td>B</td> </tr> <tr> <td>J05</td> <td>Printing</td> <td>B</td> </tr> </tbody> </table> <p>5. Create the table JOB_ASSIGNED with the fields (worker_id, job_id, starting_date, number_of_days)</p> <p>Constraints on table JOB_ASSIGNED: worker_id references WORKER table, job_id references JOB table.</p> <p>6. Insert the following records into the table JOB_ASSIGNED:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">WOR</th> <th style="text-align: left;">JOB</th> <th style="text-align: left;">STARTING_</th> <th style="text-align: left;">NUMBER_OF_DAYS</th> </tr> <tr> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> <th style="text-align: left;">-----</th> </tr> </thead> <tbody> <tr> <td>W01</td> <td>J01</td> <td>15-SEP-09</td> <td>35</td> </tr> <tr> <td>W02</td> <td>J01</td> <td>20-SEP-08</td> <td>34</td> </tr> <tr> <td>W03</td> <td>J04</td> <td>12-OCT-09</td> <td>39</td> </tr> <tr> <td>W01</td> <td>J05</td> <td>19-OCT-09</td> <td>10</td> </tr> </tbody> </table>	WOR	NAME	WAGE_PER_HOUR	SPECIALISED_IN	MAN	-----	-----	-----	-----	-----	W01	Mr.Cacophonix	50	Polishing	M01	W02	Dhaval	40	Polishing	M02	W03	Dipen	35	Fitting	M03	W04	Hardik	30	Marketing	M04	W05	Jigar	55	Fitting	M05	JOB	TYPE_OF_JOB	S	-----	-----	-	J01	Packing	A	J02	Editing	A	J03	Moulding	B	J04	Accounting	B	J05	Printing	B	WOR	JOB	STARTING_	NUMBER_OF_DAYS	-----	-----	-----	-----	W01	J01	15-SEP-09	35	W02	J01	20-SEP-08	34	W03	J04	12-OCT-09	39	W01	J05	19-OCT-09	10
WOR	NAME	WAGE_PER_HOUR	SPECIALISED_IN	MAN																																																																													
-----	-----	-----	-----	-----																																																																													
W01	Mr.Cacophonix	50	Polishing	M01																																																																													
W02	Dhaval	40	Polishing	M02																																																																													
W03	Dipen	35	Fitting	M03																																																																													
W04	Hardik	30	Marketing	M04																																																																													
W05	Jigar	55	Fitting	M05																																																																													
JOB	TYPE_OF_JOB	S																																																																															
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J01	Packing	A																																																																															
J02	Editing	A																																																																															
J03	Moulding	B																																																																															
J04	Accounting	B																																																																															
J05	Printing	B																																																																															
WOR	JOB	STARTING_	NUMBER_OF_DAYS																																																																														
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W01	J01	15-SEP-09	35																																																																														
W02	J01	20-SEP-08	34																																																																														
W03	J04	12-OCT-09	39																																																																														
W01	J05	19-OCT-09	10																																																																														



**C. U. SHAH UNIVERSITY**  
**Wadhwan City**

	W02 J04 12-SEP-08 25																																				
1 5	<p>➤ Perform the following queries on the tables given in Set no. 14:</p> <ol style="list-style-type: none"> <li>1. Display the date on which each worker is going to end his presently assigned job.</li> <li>2. Display how many days remain for each worker to finish his job.</li> <li>3. Display the STARTING_DATE in the following format - 'The fifth day of month of October, 2004'.</li> <li>4. Change the status to 'Complete' for all those jobs, which started in year 2008.</li> <li>5. Display job details of all those jobs where at least 25 workers are working.</li> <li>6. Display all those jobs that are already incompleted.</li> </ol>																																				
1 6	<p>➤ Perform the following queries on the tables given in Set no. 14:</p> <ol style="list-style-type: none"> <li>1. Find all the jobs, which begin within the next two weeks.</li> <li>2. List all workers who have their wage per hour ten times greater than the wage of their managers.</li> <li>3. List the names of workers who have been assigned the job of Packing.</li> <li>4. What is total number of days allocated for printing on the goods for all the workers together.</li> <li>5. Which workers receive higher than average wage per hour.</li> </ol>																																				
1 7	<p>➤ Perform the following queries on the tables given in Set no. 14:</p> <ol style="list-style-type: none"> <li>1. Display details of workers who are working on more than one job.</li> <li>2. Which workers having specialization in polishing start their job in September?</li> <li>3. Display details of workers who are specialized in the same field as that of Mr.Cacophonix or have a wage per hour more than any of the workers.</li> <li>4. Find the names of the workers who are getting more then 50 Rs. as wages per hour.</li> <li>5. Find the jobs which are assigned after 31-DEC-2008.</li> </ol>																																				
1 8	<p>1. Create the following table named table as CUSTOMER with following fields-Cust_No, First_Name, Last_Name, Address, City, State, Pin, B_Date, Status.</p> <p>Constraints on table CUSTOMER: Cust_No Primary Key, First_Name Not Null and the values for status must be in ('V','I','A').</p> <p>2. Insert the following records into the table CUSTOMER:</p> <table border="1"> <thead> <tr> <th>CUST_N</th> <th>FIRST_NAM</th> <th>LAST_NAM</th> <th>ADDRES</th> <th>CIT</th> <th>STATE</th> <th>PIN</th> <th>B_DAT</th> <th>STATU</th> </tr> <tr> <th>O</th> <th>E</th> <th>E</th> <th>S</th> <th>Y</th> <th></th> <th></th> <th>E</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>-----</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>----</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>-----</td> </tr> <tr> <td>1003</td> <td>RAJ</td> <td>BAHADUR</td> <td>SHANTI</td> <td>UDP</td> <td>KARNATAK</td> <td>576101</td> <td>1-AUG-</td> <td>V</td> </tr> </tbody> </table>	CUST_N	FIRST_NAM	LAST_NAM	ADDRES	CIT	STATE	PIN	B_DAT	STATU	O	E	E	S	Y			E	S	-----	-----	-----	-----	----	-----	-----	-----	-----	1003	RAJ	BAHADUR	SHANTI	UDP	KARNATAK	576101	1-AUG-	V
CUST_N	FIRST_NAM	LAST_NAM	ADDRES	CIT	STATE	PIN	B_DAT	STATU																													
O	E	E	S	Y			E	S																													
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## C. U. SHAH UNIVERSITY Wadhwan City

				VILLA		A		70	
	1004	FELIX	SIMON	M-J-56	PJM	GOA	403002	12-FEB-71	A
	1005	RAJAN	KUTTY	A1 TRADER S	KN R	KERALA	670001	9-JUN-71	A
	1006	SHILPA	PAI	12/4B	MN G	KARNATAK A	574154	11-DEC-70	I
	1007	BOSCO	RAKSHIT	R.K. PLAZA	BN G	KARNATAK A	576201	1-JAN-71	A
1	➤ Perform the following queries on the tables given in Set no. 18:								
9	<ol style="list-style-type: none"> <li>1. Display all the records from the table where state is KARNATAKA.</li> <li>2. Delete the row from the table where PIN CODE is 576201.</li> <li>3. Change the ADDRESS as “KAVI MUDDANNA MARG” AND PIN=576104 where CUST_NO=1003.</li> <li>4. Delete the records of KARNATAKA state from the table and then retrieve all the records back.</li> <li>5. Select all the records with single occurrence of state from the table.</li> <li>6. Sort and display the customer data, in the alphabetic order of state.</li> <li>7. Sort and display the state field in the in descending order.</li> <li>8. Retrieve records of Karnataka / Kerala customers who are ACTIVE (‘A’).</li> <li>9. Retrieve rows where name contains the word RAJ embedded it.</li> <li>10. Display all the rows whose dates are in the range of 10-JAN-70 and 31-JUL-96.</li> </ol>								