

| Sl. No         | Name of the Experiment  | List of Experiments   | Page No        |            |             |             |                   |                                      |               |                                   |                                      |                |                   |                                |              |                   |                           |  |
|----------------|---|---|----------------|------------|-------------|-------------|-------------------|--------------------------------------|---------------|-----------------------------------|--------------------------------------|----------------|-------------------|--------------------------------|--------------|-------------------|---------------------------|--|
| 1              | Database Management and Table Operations in SQL, including creating and deleting databases, creating tables with specific schemas, inserting data, displaying data, and create table from another tables. | <div><div><div>1. Create a database named as <b>aecitdb</b></div><div>2. Create another database named as <b>tempdb</b></div><div>3. Delete the database <b>tempdb</b></div><div>4. Enter into the database named as <b>aecitdb</b></div><div>5. Create a table named as <b>TempPerson</b> with the following Schema <b>TempPerson</b> ( Pid,FirstName,LastName,City,DOB,Salary)<br/>(Data Types of the attributes can be selected by your own choice)</div><div>6. Create a table named as <b>Person</b> with the following Schema <b>Person</b> ( Pid,FirstName,LastName,City,DOB,Salary)<br/>(Data Types of the attributes should be as follows:<br/>Pid -- &gt; it should be Integer in nature<br/>FirstName,LastName,City -- &gt; It should be String in nature<br/>DOB -- &gt; It should be Date in nature<br/>Salary -- &gt; It should be Decimal in nature)</div><div>7. Insert the following data in the <b>Person</b> table.<br/>101—Amal—Biswas—Asansol—12/08/1972—90000.89<br/>102—Tamal—Choudhury—Kolkata—15/02/1992—40000.58<br/>103—Rita—Sen—Durgapur—12/08/1986—60000.36</div><div>8. Show all the data present in the Table, <b>Person</b>.</div><div>9. Create a same table named as <b>DummyPerson</b> from the existing table named as <b>Person</b>.</div><div>10. Show all the data present in the recently created Table, <b>DummyPerson</b>.</div><div>11. Show all the tables present in the currently operating database.</div><div>12. Delete the table, <b>DummyPerson</b>.</div></div></div> |                |            |             |             |                   |                                      |               |                                   |                                      |                |                   |                                |              |                   |                           |  |
| 2              | Database Management with Table Creation, Modification, and Data Insertion in SQL, Constraints specifications  | <div><div><div>1. Create a table named as <b>ITEM</b> with the following specifications</div><table><tr><th>Attribute Name</th><th>Data Types</th><th>Constraints</th></tr><tr><td><b>I_no</b></td><td>Integer in nature</td><td>Primary Key, values within 1 to 1000</td></tr><tr><td><b>I_name</b></td><td>String with maximum 20 characters</td><td>Cannot be null, will be in UPPERCASE</td></tr><tr><td><b>I_price</b></td><td>Decimal in nature</td><td>Should be within 1.00 to 25.95</td></tr><tr><td><b>I_qty</b></td><td>Integer in nature</td><td>Should not be less than 1</td></tr></table><div><div>2. Create a table named as <b>DUMMY_ITEM_1</b> with the same specifications as of ITEM.</div><div>3. Create a table named as <b>DUMMY_ITEM_2</b> with the same specifications as of ITEM but attributes names will be as follows:<br/>I_no --- &gt; Item_no , I_name ---&gt; Item_name,<br/>I_price --- &gt; Item_price, I_qty ---&gt; Item_quantity</div><div>4. Drop the Primary key from ITEM table.</div><div>5. Add the Primary Key in the ITEM table.</div><div>6. Create a table named as <b>CUSTOMER</b> with the following specifications</div></div></div></div>  | Attribute Name | Data Types | Constraints | <b>I_no</b> | Integer in nature | Primary Key, values within 1 to 1000 | <b>I_name</b> | String with maximum 20 characters | Cannot be null, will be in UPPERCASE | <b>I_price</b> | Decimal in nature | Should be within 1.00 to 25.95 | <b>I_qty</b> | Integer in nature | Should not be less than 1 |  |
| Attribute Name | Data Types  | Constraints   |                |            |             |             |                   |                                      |               |                                   |                                      |                |                   |                                |              |                   |                           |  |
| <b>I_no</b>    | Integer in nature   | Primary Key, values within 1 to 1000  |                |            |             |             |                   |                                      |               |                                   |                                      |                |                   |                                |              |                   |                           |  |
| <b>I_name</b>  | String with maximum 20 characters   | Cannot be null, will be in UPPERCASE  |                |            |             |             |                   |                                      |               |                                   |                                      |                |                   |                                |              |                   |                           |  |
| <b>I_price</b> | Decimal in nature   | Should be within 1.00 to 25.95  |                |            |             |             |                   |                                      |               |                                   |                                      |                |                   |                                |              |                   |                           |  |
| <b>I_qty</b>   | Integer in nature   | Should not be less than 1   |                |            |             |             |                   |                                      |               |                                   |                                      |                |                   |                                |              |                   |                           |  |

|   |   | <table><tr><th>Attribute Name</th><th>Data Types</th><th>Constraints</th></tr><tr><td>Cust_no</td><td>Integer in nature</td><td>Empty cell value not Possible, unique value</td></tr><tr><td>Cust_name</td><td>String with maximum 20 characters</td><td>not null, uppercase</td></tr><tr><td>State</td><td>String with maximum character</td><td>values must be within 'WB', 'UP', 'AP', default value is 'WB'</td></tr></table>  | Attribute Name                    | Data Types  | Constraints | Cust_no | Integer in nature | Empty cell value not Possible, unique value | Cust_name | String with maximum 20 characters | not null, uppercase | State | String with maximum character | values must be within 'WB', 'UP', 'AP', default value is 'WB' |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|---|---|--|-----------------------------------|---|-------------|---------|-------------------|---|-----------|-----------------------------------|---------------------|-------|-------------------------------|---|----|---|------|------|----|---|--------|------|-----|---|--------|------|-----|---|------|------|-----|---|-----|------|----|---|---------|------|----|
|   |   | Attribute Name   | Data Types                        | Constraints   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   | Cust_no  | Integer in nature                 | Empty cell value not Possible, unique value                   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   | Cust_name  | String with maximum 20 characters | not null, uppercase   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   | State  | String with maximum character     | values must be within 'WB', 'UP', 'AP', default value is 'WB' |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   | 7. Insert the following data into the <b>ITEM</b> table  |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   | <table><tr><th>I_no</th><th>I_name</th><th>I_price</th><th>I_qty</th></tr><tr><td>1</td><td>Sword</td><td>2.25</td><td>50</td></tr><tr><td>2</td><td>Nut</td><td>5.00</td><td>110</td></tr><tr><td>3</td><td>Bolt</td><td>3.99</td><td>75</td></tr><tr><td>4</td><td>Hammer</td><td>9.99</td><td>125</td></tr><tr><td>5</td><td>Washer</td><td>1.99</td><td>100</td></tr><tr><td>6</td><td>Nail</td><td>0.99</td><td>300</td></tr><tr><td>7</td><td>Axe</td><td>3.55</td><td>25</td></tr><tr><td>8</td><td>Scissor</td><td>2.19</td><td>15</td></tr></table>   | I_no                              | I_name  | I_price     | I_qty   | 1                 | Sword                                       | 2.25      | 50                                | 2                   | Nut   | 5.00                          | 110   |    | 3 | Bolt | 3.99 | 75 | 4 | Hammer | 9.99 | 125 | 5 | Washer | 1.99 | 100 | 6 | Nail | 0.99 | 300 | 7 | Axe | 3.55 | 25 | 8 | Scissor | 2.19 | 15 |
|   |   | I_no   | I_name                            | I_price   | I_qty       |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   | 1  | Sword                             | 2.25  | 50          |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   | 2  | Nut                               | 5.00  | 110         |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 3   | Bolt  | 3.99   | 75                                |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 4   | Hammer  | 9.99   | 125                               |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 5   | Washer  | 1.99   | 100                               |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 6   | Nail  | 0.99   | 300                               |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 7   | Axe   | 3.55   | 25                                |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 8   | Scissor   | 2.19   | 15                                |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 8. Insert the following data into the <b>CUSTOMER</b> table   |   |  |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| <table><tr><th>Cust_no</th><th>Cust_name</th><th>State</th></tr><tr><td>1001</td><td>Prakash</td><td>UP</td></tr><tr><td>1002</td><td>Mukesh</td><td>AP</td></tr><tr><td>1003</td><td>Murti</td><td>UP</td></tr><tr><td>1004</td><td>Rajan</td><td>WB</td></tr></table> | Cust_no   | Cust_name  | State                             | 1001  | Prakash     | UP      | 1002              | Mukesh                                      | AP        | 1003                              | Murti               | UP    | 1004                          | Rajan   | WB |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| Cust_no   | Cust_name   | State  |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 1001  | Prakash   | UP   |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 1002  | Mukesh  | AP   |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 1003  | Murti   | UP   |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 1004  | Rajan   | WB   |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 9. Using SELECT and INSERT together populate the <b>DUMMY_ITEM_2</b> table from <b>ITEM</b> table.  |   |  |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   |  |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   |  |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   |  |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
|   |   |  |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |
| 3   | SQL Queries on tables <b>ITEM</b> and <b>CUSTOMER</b> , including displaying item and customer details, filtering based on conditions, searching for specific items, and sorting results. | <p>Using the following tables perform the following queries:</p> <p><b>ITEM</b>(I_no, I_name,I_price,I_qty)<br/><b>CUSTOMER</b>(Cust_no,Cust_name,State)</p> <ol style="list-style-type: none"><li>1. Display details of all items</li><li>2. Display details of all customers from 'UP'.</li><li>3. Display details of the customer 'Prakash'.</li><li>4. Display all customers who are either from 'AP' or from 'WB'.</li><li>5. Display all customers who are not from 'UP'.</li><li>6. Display the details of item 'Nail'.</li><li>7. Find all items whose price lies between 2 and 6.</li><li>8. Find all items whose price does not lie between 2 and 6.</li><li>9. Find all items whose price is greater than 1.00 but quantity is less than 200.</li><li>10. Find all items which have 'o' in their names.</li><li>11. Find all items which starts with 'A'</li><li>12. Find all items which ends with 'r'</li><li>13. Sort all customers in descending order of their states.</li></ol> |                                   |   |             |         |                   |   |           |                                   |                     |       |                               |   |    |   |      |      |    |   |        |      |     |   |        |      |     |   |      |      |     |   |     |      |    |   |         |      |    |

| 4               | Database Modification and Table Management in SQL, involving updating data, altering table structure, adding and removing columns, changing column names, displaying constraints, truncating data, and deleting tables.   | <p>Using the following tables perform the following queries:</p> <p><b>ITEM</b>(I_no, I_name,I_price,I_qty)<br/><b>CUSTOMER</b>(Cust_no,Cust_name,State)</p> <ol style="list-style-type: none"><li>1. Change I_qty to 75 of I_no 1.</li><li>2. Change the I_price of 'Nut' to 6.</li><li>3. Increase the Item price by 10%.</li><li>4. Delete all items whose quantity is 500.</li><li>5. Delete all items those prices lie between 0.1 and 1.00.</li><li>6. Add a column "Phone_no number (10)" to <b>CUSTOMER</b> table.</li><li>7. Change the size of the newly added column to 15.</li><li>8. Change the name of <b>Phone_no</b> attribute to <b>Ph_number</b></li><li>9. Remove the <b>Ph_number</b> attribute from the table</li><li>10. Change the name of <b>CUSTOMER</b> to <b>CUSTOMER_YourName</b>.</li><li>11. Change the name of <b>ITEM</b> to <b>ITEM_YourName</b>.</li><li>12. Display the all the constraints of <b>ITEM_YourName</b> table.</li><li>13. Truncate all data from <b>CUSTOMER_YourName</b></li><li>14. Display all data from <b>CUSTOMER_YourName</b></li><li>15. Remove the tables <b>CUSTOMER_YourName</b>, <b>ITEM_YourName</b>, <b>DUMMY_ITEM</b> from the database.</li></ol> |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
|-----------------|---|---|------|------|--------------|-------------------------|--------------|--------------|------------|-------------|------------|------------|-----------------|------|------------|-------------|-------------|-------------|---------------|-----------|------|------|---------------|------------|--------------|------------------------|------------|------------------------|
| 5               | Database Management and SQL Queries on <b>EMPLOYEE</b> and <b>DEPARTMENT</b> tables, involving table creation, foreign key relationships, data population, and various <b>SELECT</b> queries to retrieve specific information from the tables with Join operations. | <ol style="list-style-type: none"><li>1. Create a table named as <b>EMPLOYEE</b> with the following specifications<table><tr><th>Name</th><th>Type</th></tr><tr><td><b>EMPNO</b></td><td>NUMBER (4), Primary Key</td></tr><tr><td><b>ENAME</b></td><td>VARCHAR2(10)</td></tr><tr><td><b>JOB</b></td><td>VARCHAR2(9)</td></tr><tr><td><b>MGR</b></td><td>NUMBER(4),</td></tr><tr><td><b>HIREDATE</b></td><td>DATE</td></tr><tr><td><b>SAL</b></td><td>NUMBER(7,2)</td></tr><tr><td><b>COMM</b></td><td>NUMBER(7,2)</td></tr><tr><td><b>DEPTNO</b></td><td>NUMBER(2)</td></tr></table></li><li>2. Make the <b>DEPTNO</b> of <b>EMPLOYEE</b> table as a foreign key of <b>DEPARTMENT</b> table.</li><li>3. Create a table named as <b>DEPARTMENT</b> with the following specifications<table><tr><th>Name</th><th>Type</th></tr><tr><td><b>DEPTNO</b></td><td>NUMBER(2),</td></tr><tr><td><b>DNAME</b></td><td>VARCHAR2(14), NOT NULL</td></tr><tr><td><b>LOC</b></td><td>VARCHAR2(13), NOT NULL</td></tr></table></li><li>4. Make the <b>DEPTNO</b> of <b>DEPARTMENT</b> table as a Primary key.</li></ol>  | Name | Type | <b>EMPNO</b> | NUMBER (4), Primary Key | <b>ENAME</b> | VARCHAR2(10) | <b>JOB</b> | VARCHAR2(9) | <b>MGR</b> | NUMBER(4), | <b>HIREDATE</b> | DATE | <b>SAL</b> | NUMBER(7,2) | <b>COMM</b> | NUMBER(7,2) | <b>DEPTNO</b> | NUMBER(2) | Name | Type | <b>DEPTNO</b> | NUMBER(2), | <b>DNAME</b> | VARCHAR2(14), NOT NULL | <b>LOC</b> | VARCHAR2(13), NOT NULL |
| Name            | Type  |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>EMPNO</b>    | NUMBER (4), Primary Key   |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>ENAME</b>    | VARCHAR2(10)  |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>JOB</b>      | VARCHAR2(9)   |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>MGR</b>      | NUMBER(4),  |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>HIREDATE</b> | DATE  |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>SAL</b>      | NUMBER(7,2)   |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>COMM</b>     | NUMBER(7,2)   |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>DEPTNO</b>   | NUMBER(2)   |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| Name            | Type  |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>DEPTNO</b>   | NUMBER(2),  |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>DNAME</b>    | VARCHAR2(14), NOT NULL  |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |
| <b>LOC</b>      | VARCHAR2(13), NOT NULL  |   |      |      |              |                         |              |              |            |             |            |            |                 |      |            |             |             |             |               |           |      |      |               |            |              |                        |            |                        |

|      |       | 5. Populate the <b>EMPLOYEE</b> table with the following data   | <table><tr><th>ENO</th><th>ENAME</th><th>JOB</th><th>MGR</th><th>HIREDATE</th><th>SAL</th><th>COMM</th><th>DEPTNO</th></tr><tr><td>7369</td><td>Smith</td><td>Clerk</td><td>7902</td><td>17-Dec-88</td><td>1000</td><td></td><td>20</td></tr><tr><td>7499</td><td>Allen</td><td>Salesman</td><td>7698</td><td>20-Feb-89</td><td>1600</td><td>300</td><td>30</td></tr><tr><td>7521</td><td>Ward</td><td>Salesman</td><td>7698</td><td>22-Feb-89</td><td>1250</td><td>500</td><td>30</td></tr><tr><td>7566</td><td>Jones</td><td>Manager</td><td>7839</td><td>02-Apr-89</td><td>2975</td><td></td><td>20</td></tr><tr><td>7654</td><td>Marti</td><td>Salesman</td><td>7698</td><td>28-Sep-89</td><td>1250</td><td>1400</td><td>30</td></tr><tr><td>7698</td><td>Blake</td><td>Manager</td><td>7839</td><td>01-May-89</td><td>2850</td><td></td><td>30</td></tr><tr><td>7782</td><td>Clark</td><td>Manager</td><td>7839</td><td>09-Jun-89</td><td>2450</td><td></td><td>10</td></tr><tr><td>7788</td><td>Wong</td><td>Analyst</td><td>7566</td><td>19-Apr-87</td><td>3000</td><td></td><td>20</td></tr><tr><td>7839</td><td>King</td><td>President</td><td></td><td>17-Nov-89</td><td>5000</td><td></td><td>10</td></tr><tr><td>7844</td><td>Turn</td><td>Salesman</td><td>7698</td><td>08-Sep-89</td><td>1500</td><td>0</td><td>30</td></tr><tr><td>7876</td><td>Adam</td><td>Clerk</td><td>7788</td><td>23-May-87</td><td>1100</td><td></td><td>20</td></tr><tr><td>7900</td><td>James</td><td>Clerk</td><td>7698</td><td>03-Dec-89</td><td>950</td><td></td><td>30</td></tr><tr><td>7902</td><td>Ford</td><td>Analyst</td><td>7566</td><td>03-Dec-89</td><td>3000</td><td></td><td>20</td></tr><tr><td>7934</td><td>Mille</td><td>Clerk</td><td>7782</td><td>23-Jan-86</td><td>1300</td><td></td><td>10</td></tr></table> | ENO  | ENAME | JOB  | MGR  | HIREDATE | SAL     | COMM | DEPTNO   | 7369   | Smith | Clerk | 7902    | 17-Dec-88 | 1000      |        | 20 | 7499 | Allen | Salesman | 7698 | 20-Feb-89 | 1600 | 300 | 30 | 7521 | Ward | Salesman | 7698 | 22-Feb-89 | 1250 | 500 | 30 | 7566 | Jones | Manager | 7839 | 02-Apr-89 | 2975 |  | 20 | 7654 | Marti | Salesman | 7698 | 28-Sep-89 | 1250 | 1400 | 30 | 7698 | Blake | Manager | 7839 | 01-May-89 | 2850 |  | 30 | 7782 | Clark | Manager | 7839 | 09-Jun-89 | 2450 |  | 10 | 7788 | Wong | Analyst | 7566 | 19-Apr-87 | 3000 |  | 20 | 7839 | King | President |  | 17-Nov-89 | 5000 |  | 10 | 7844 | Turn | Salesman | 7698 | 08-Sep-89 | 1500 | 0 | 30 | 7876 | Adam | Clerk | 7788 | 23-May-87 | 1100 |  | 20 | 7900 | James | Clerk | 7698 | 03-Dec-89 | 950 |  | 30 | 7902 | Ford | Analyst | 7566 | 03-Dec-89 | 3000 |  | 20 | 7934 | Mille | Clerk | 7782 | 23-Jan-86 | 1300 |  | 10 |
|------|-------|---|---|--|-------|--|--|----------|---------|------|----------|--------|-------|-------|---------|-----------|-----------|--------|----|------|-------|----------|------|-----------|------|-----|----|------|------|----------|------|-----------|------|-----|----|------|-------|---------|------|-----------|------|--|----|------|-------|----------|------|-----------|------|------|----|------|-------|---------|------|-----------|------|--|----|------|-------|---------|------|-----------|------|--|----|------|------|---------|------|-----------|------|--|----|------|------|-----------|--|-----------|------|--|----|------|------|----------|------|-----------|------|---|----|------|------|-------|------|-----------|------|--|----|------|-------|-------|------|-----------|-----|--|----|------|------|---------|------|-----------|------|--|----|------|-------|-------|------|-----------|------|--|----|
|      |       | ENO   | ENAME   | JOB  | MGR   | HIREDATE   | SAL  | COMM     | DEPTNO  |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7369  | Smith   | Clerk  | 7902  | 17-Dec-88  | 1000   |          | 20      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7499  | Allen   | Salesman   | 7698  | 20-Feb-89  | 1600   | 300      | 30      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7521  | Ward  | Salesman   | 7698  | 22-Feb-89  | 1250   | 500      | 30      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7566  | Jones   | Manager  | 7839  | 02-Apr-89  | 2975   |          | 20      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7654  | Marti   | Salesman   | 7698  | 28-Sep-89  | 1250   | 1400     | 30      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7698  | Blake   | Manager  | 7839  | 01-May-89  | 2850   |          | 30      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7782  | Clark   | Manager  | 7839  | 09-Jun-89  | 2450   |          | 10      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7788  | Wong  | Analyst  | 7566  | 19-Apr-87  | 3000   |          | 20      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7839  | King  | President  |       | 17-Nov-89  | 5000   |          | 10      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7844  | Turn  | Salesman   | 7698  | 08-Sep-89  | 1500   | 0        | 30      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7876  | Adam  | Clerk  | 7788  | 23-May-87  | 1100   |          | 20      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7900  | James   | Clerk  | 7698  | 03-Dec-89  | 950  |          | 30      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 7902  | Ford  | Analyst  | 7566  | 03-Dec-89  | 3000   |          | 20      |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
| 7934 | Mille | Clerk   | 7782  | 23-Jan-86  | 1300  |  | 10   |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 6. Populate the <b>DEPARTMENT</b> table with the following data | <table><tr><th>DEPTNO</th><th>DNAME</th><th>LOC</th></tr><tr><td>10</td><td>HRD</td><td>Houston</td></tr><tr><td>20</td><td>RESEARCH</td><td>Dallas</td></tr><tr><td>30</td><td>SALES</td><td>Chicago</td></tr><tr><td>40</td><td>OPERATION</td><td>Boston</td></tr></table>  | DEPTNO   | DNAME | LOC  | 10   | HRD      | Houston | 20   | RESEARCH | Dallas | 30    | SALES | Chicago | 40        | OPERATION | Boston |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | DEPTNO  | DNAME   | LOC  |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 10  | HRD   | Houston  |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 20  | RESEARCH  | Dallas   |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 30  | SALES   | Chicago  |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       | 40  | OPERATION   | Boston   |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       |   |   | 7. Display the name, deptno, dname for all employees.  |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       |   |   | 8. Create a unique listing of all jobs that are in deptno 30. Include the location of dept 30 in the output. |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       |   |   | 9. Display the employee's name, dept name and the location of all employees who earn a commission.           |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       |   |   | 10. Display the employee's name, dept name for all employees who have an 'A' in their name.                  |       |  |  |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |
|      |       |   |   |  |       | SQL Queries on DEPARTMENT and EMPLOYEE tables, including retrieving employee details based on location, displaying hierarchical information, modifying | <p>Using the following tables perform the following queries:</p> <p><b>DEPARTMENT</b> (DEPTNO,DNAME,LOC)</p> <p><b>EMPLOYEE</b> (ENO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTNO)</p> <ol style="list-style-type: none"><li>1. Display the employee name, job, deptno, dept name for all employees who work in DALLAS.</li><li>2. Display the employee name, empno along with their manager's name and manager no.</li><li>3. Modify the previous query,2, to display all employees including king, who has no manager.</li></ol> |          |         |      |          |        |       |       |         |           |           |        |    |      |       |          |      |           |      |     |    |      |      |          |      |           |      |     |    |      |       |         |      |           |      |  |    |      |       |          |      |           |      |      |    |      |       |         |      |           |      |  |    |      |       |         |      |           |      |  |    |      |      |         |      |           |      |  |    |      |      |           |  |           |      |  |    |      |      |          |      |           |      |   |    |      |      |       |      |           |      |  |    |      |       |       |      |           |     |  |    |      |      |         |      |           |      |  |    |      |       |       |      |           |      |  |    |

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|   | queries to include specific employees, comparing hire dates, finding salary-related information such as the second and fifth highest salaries.   | <ol style="list-style-type: none"> <li>Display the employee's name of all the employees that work in the same DEPTNO as a given employee.</li> <li>Display the employee's name, job, dept name, salary, and grade for all employees.</li> <li>Display the employee's name, and hire date of any employee hired after BLAKE.</li> <li>Display the employee's name, and hire date along with their manager's name and hire date of all employees hired before their manager.</li> <li>Find the second highest salary from emp table.</li> <li>Find the fifth highest salary from emp table.</li> </ol>  |  |
| 7 | SQL Queries on DEPARTMENT and EMPLOYEE tables, including filtering based on job titles, date of joining, managerial status, specific employee numbers, department membership, name patterns, and calculating various statistics like the total number of employees, number of designations, total salaries, and specific salary details. | <p>Using the following tables perform the following queries:<br/> <b>DEPARTMENT</b> (DEPTNO, DNAME, LOC)<br/> <b>EMPLOYEE</b> (ENO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)</p> <ol style="list-style-type: none"> <li>List the names of analysts and salesmen.</li> <li>List details of employees who have joined before 30 Sep 81.</li> <li>List names of employees who are not managers.</li> <li>List the names of employees whose employee numbers are 7369, 7521, 7839, 7934, 7788.</li> <li>List employees not belonging to department 30, 40, or 10.</li> <li>List employee names for those who have joined between 30 June and 31 Dec. '81.</li> <li>List the different designations in the company.</li> <li>List the names of employees who are not eligible for commission.</li> <li>List the name and designation of the employee who does not report to anybody.</li> <li>List the employees not assigned to any department.</li> <li>List the employees who are eligible for commission.</li> <li>List employees whose names either start or end with "S".</li> <li>List names of employees whose names have "i" as the second character.</li> <li>List the number of employees working with the company.</li> <li>List the number of designations available in the EMP table.</li> <li>List the total salaries paid to the employees.</li> <li>List the maximum, minimum and average salary in the company.</li> <li>List the maximum salary paid to a salesman.</li> </ol> |  |
| 8 | Various queries performed on employee and department tables including calculations of employee count, average salary, PF amount, tenure, department-wise   | <p>Using the following tables perform the following queries:<br/> <b>DEPARTMENT</b> (DEPTNO, DNAME, LOC)<br/> <b>EMPLOYEE</b> (ENO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)</p> <ol style="list-style-type: none"> <li>List the number of employees and average salary for employees in department 20.</li> <li>List name, salary and PF amount of all employees. (PF is calculated as 10% of basic salary)</li> <li>List names of employees who are more than 2 years old in the company.</li> <li>List the employee details in the ascending order of their basic salary.</li> <li>List the employee's name and hire date in the descending order of the hire date.</li> </ol>  |  |

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|    | statistics, sorting, and additional salary components  | <ol style="list-style-type: none"> <li>List employee name, salary, PF, HRA, DA and gross; order the results in the ascending order of gross. HRA is 50% of the salary and DA is 30% of the salary.</li> <li>List the department numbers and number of employees in each department.</li> <li>List the department number and total salary payable in each department.</li> <li>List the jobs and number of employees in each job. The result should be in the descending order of the number of employees.</li> <li>List the total salary, maximum and minimum salary, and average salary of the employees' job wise.</li> <li>List the total salary, maximum and minimum salary, and average salary of the employees, for department 20.</li> <li>List the total salary, maximum and minimum salary, and average salary of the employees' job wise, for department 20 and display only those rows having an average salary &gt; 1000</li> </ol>  |  |
| 9  | Various queries performed on employee and department tables including filtering, formatting output, salary calculations, date display, aggregate functions, subqueries, and deletions with associated actions. | <p>Using the following tables perform the following queries:<br/> <b>DEPARTMENT</b> (DEPTNO, DNAME, LOC)<br/> <b>EMPLOYEE</b> (ENO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)</p> <ol style="list-style-type: none"> <li>Display the details of the employees whose commission is NULL.</li> <li>Display employee's name and sal+comm. And give the heading Total_Salary.</li> <li>Display the name and increased salary (20% increases) of each manager.</li> <li>Display the output in following format for each Salesman:<br/> Mr. &lt;Employee's name&gt;'s total earning is (sal+comm).</li> <li>Display today's date in following format: Today's date is &lt;date&gt;. 24th June ,2021</li> <li>Display min and max salaries among all employees and rename the fields accordingly.</li> <li>Display details of all employees along with their dept name in the ascending order of hiredate.</li> <li>Display min, max, average, and total salaries of each dept in ascending order of deptname.</li> <li>Display name of the department and number of employees in which at least 4 employees work on.</li> <li>Display emp name whose salary is higher than the average salary of all the employees having 5 letters in their name.</li> <li>Display details of all employees whose deptname is either SALES or HRD (deptname should be supplied by user using sub query).</li> <li>Display name of the location where Wong is working.</li> <li>While deleting RESEARCH department of DEPT, it automatically deletes all the corresponding employees of that dept.</li> <li>Display the details of top 3 earners.</li> <li>Display each employee's name and their corresponding manager's name.</li> <li>Modify previous query,15, to include the record of King in the output.</li> </ol> |  |
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