mysql> create database Abhijith;

Query OK, 1 row affected (0.01 sec)

mysql> use Abhijith

Database changed

**1. ) Create table “EMPLOYEES”**

mysql> create table EMPLOYEES

-> ( EMPID integer PRIMARY KEY ,

-> FIRSTNAME char(10) NOT NULL ,

-> LASTNAME char(15) NOT NULL,

-> ADDRESS char(20) NOT NULL ,

-> CITY char(15) NOT NULL

-> ) ;

Query OK, 0 rows affected (0.09 sec)

**2.) Inserting Values into “EMPLOYEES”**

mysql> insert into EMPLOYEES values(010,'George','Smith','83 First Street','Horward');

Query OK, 1 row affected (0.06 sec)

mysql> insert into EMPLOYEES values(105,'Mary','Jones','842 Vine Ave.','Losantiville');

Query OK, 1 row affected (0.05 sec)

mysql> insert into EMPLOYEES values(152,'Sam','Tones','33 Elm St.','Paris');

Query OK, 1 row affected (0.04 sec)

mysql> insert into EMPLOYEES values(215,'Sarah','Ackerman','440 U.S. 110','Upton');

Query OK, 1 row affected (0.03 sec)

mysql> insert into EMPLOYEES values(244,'Manila','Sengupta','24 Friends Street ','New Delhi');

Query OK, 1 row affected (0.03 sec)

mysql> insert into EMPLOYEES values(300,'Robert','Samuel','9 Fifth Cross ','Washington');

Query OK, 1 row affected (0.03 sec)

mysql> insert into EMPLOYEES values(335,'Henry','Williams','12 Moore Street','Boston');

Query OK, 1 row affected (0.04 sec)

mysql> insert into EMPLOYEES values(400,'Rachel','Lee','121 Harrison St.','New York');

Query OK, 1 row affected (0.04 sec)

mysql> insert into EMPLOYEES values(441,'Peter','Thompson','11 Red Road','Paris');

Query OK, 1 row affected (0.03 sec)

**3. ) Create Table “EMPSALARY"**

mysql> create table EMPSALARY

-> ( EMPID integer PRIMARY KEY ,

-> SALARY integer ,

-> BENEFITS integer ,

-> DESIGNATION char(15)

-> );

Query OK, 0 rows affected (0.08 sec)

**4.) Inserting Values into “EMPSALARY”**

mysql> insert into EMPSALARY values(010,75000,15000,'Manager');

Query OK, 1 row affected (0.04 sec)

mysql> insert into EMPSALARY values(105,65000,15000,'Manager');

Query OK, 1 row affected (0.03 sec)

mysql> insert into EMPSALARY values(152,80000,25000,'Director');

Query OK, 1 row affected (0.17 sec)

mysql> insert into EMPSALARY values(215,75000,12500,'Manager');

Query OK, 1 row affected (0.04 sec)

mysql> insert into EMPSALARY values(244,50000,12000,'Clerk');

Query OK, 1 row affected (0.05 sec)

mysql> insert into EMPSALARY values(300,45000,10000,'Clerk');

Query OK, 1 row affected (0.04 sec)

mysql> insert into EMPSALARY values(335,40000,10000,'Clerk');

Query OK, 1 row affected (0.04 sec)

mysql> insert into EMPSALARY values(400,32000,7500,'Salesman');

Query OK, 1 row affected (0.04 sec)

mysql> insert into EMPSALARY values(441,28000,7500,'Salesman');

Query OK, 1 row affected (0.05 sec)

**5.) Display Table “EMPLOYEES”**

SELECT \* FROM EMPLOYEES ;

+- - - - - - - + - - - - - - - - - - - + - - - - - - - - - - + - - - - - - - - - - - - - - - - - - - + - - - - - - - - - - - - - -+

| EMPID | FIRSTNAME | LASTNAME | ADDRESS | CITY |

+- - - - - - - + - - - - - - - - - - - + - - - - - - - - - - + - - - - - - - - - - - - - - - - - - - + - - - - - - - - - - - - - -+

| 10 | George | Smith | 83 First Street | Horward |

| 105 | Mary | Jones | 842 Vine Ave. | Losantiville |

| 152 | Sam | Tones | 33 Elm St. | Paris |

| 215 | Sarah | Ackerman | 440 U.S. 110 | Upton |

| 244 | Manila | Sengupta | 24 Friends Street | New Delhi |

| 300 | Robert | Samuel | 9 Fifth Cross | Washington |

| 335 | Henry | Williams | 12 Moore Street | Boston |

| 400 | Rachel | Lee | 121 Harrison St. | New York |

| 441 | Peter | Thompson | 11 Red Road | Paris |

+- - - - - - - + - - - - - - - - - - - + - - - - - - - - - - + - - - - - - - - - - - - - - - - - - - + - - - - - - - - - - - - - -+

9 rows in set (0.00 sec)

**6.) Display Table “EMPSALARY”**

SELECT \* FROM EMPSALARY;

+-------+--------+----------+-------------+

| EMPID | SALARY | BENEFITS | DESIGNATION |

+-------+--------+----------+-------------+

| 10 | 75000 | 15000 | Manager |

| 105 | 65000 | 15000 | Manager |

| 152 | 80000 | 25000 | Director |

| 215 | 75000 | 12500 | Manager |

| 244 | 50000 | 12000 | Clerk |

| 300 | 45000 | 10000 | Clerk |

| 335 | 40000 | 10000 | Clerk |

| 400 | 32000 | 7500 | Salesman |

| 441 | 28000 | 7500 | Salesman |

+-------+--------+----------+-------------+

9 rows in set (0.00 sec)

**7.) Employees living in Paris**

SELECT firstname,lastname,address,city

-> FROM EMPLOYEES

-> WHERE city='Paris';

+-----------+------------+--------------+-------+

| firstname | lastname | address | city |

+-----------+------------+-----------------+-------+

| Sam | Tones | 33 Elm St . | Paris |

| Peter | Thompson | 11 Red Road | Paris |

+-----------+----------+-------------+-------+

2 rows in set (0.00 sec)

**8.) Display content of employees in decreasing order**

SELECT \*

-> FROM EMPLOYEES

-> ORDER BY Firstname DESC;

+-------+------------------------+----------------------+----------------------+--------------+

| EMPID | FIRSTNAME | LASTNAME | ADDRESS | CITY |

+-------+------------------------+----------------------+----------------------+--------------+

| 215 | Sarah | Ackerman | 440 U.S. 110 | Upton |

| 152 | Sam | Tones | 33 Elm St. | Paris |

| 300 | Robert | Samuel | 9 Fifth Cross | Washington |

| 400 | Rachel | Lee |121 Harrison St. | New York |

| 441 | Peter | Thompson | 11 Red Road | Paris |

| 105 | Mary | Jones | 842 Vine Ave. | Losantiville |

| 244 | Manila | Sengupta | 24 Friends Street | New Delhi |

| 335 | Henry | Williams | 12 Moore Street | Boston |

| 10 | George | Smith | 83 First Street | Horward |

+-------+-----------+----------+-------------------+--------------+

9 rows in set (0.00 sec)

**9.) Display maximum salary among Manager and Clerk from the table**

SELECT DESIGNATION,max(SALARY) FROM EMPSALARY WHERE DESIGNATION = 'Manager'

-> UNION

-> SELECT DESIGNATION,max(SALARY) FROM EMPSALARY WHERE DESIGNATION = 'Clerk'

-> ;

+-------------+-------------+

| DESIGNATION | max(SALARY) |

+-------------+-------------+

| Manager | 75000 |

| Clerk | 50000 |

+-------------+-------------+

2 rows in set (0.00 sec)

**Give Output for SQL Queries :**

**11.)** SELECT firstname,salary

FROM EMPLOYEES,EMPSALARY

WHERE DESIGNATION = 'Salesman' AND

EMPLOYEES.EMPID=EMPSALARY.EMPID;

+-----------+--------+

| firstname | salary |

+-----------+--------+

| Rachel | 32000 |

| Peter | 28000 |

+-----------+--------+

2 rows in set (0.00 sec)

**12.)** SELECT COUNT(DISTINCT DESIGNATION) FROM EMPSALARY;

+-----------------------------+

| COUNT(DISTINCT DESIGNATION) |

+-----------------------------+

| 4 |

+-----------------------------+

1 row in set (0.02 sec)

**13.)** SELECT DESIGNATION, SUM(SALARY)

-> FROM EMPSALARY

-> GROUP BY DESIGNATION HAVING COUNT(\*)>2;

+-------------+-------------+

| DESIGNATION | SUM(SALARY) |

+-------------+-------------+

| Clerk | 135000 |

| Manager | 215000 |

+-------------+-------------+

2 rows in set (0.00 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*