Create table EMPLOYEE with the following detailsw

mysql> create table employee1(EMPLOYEE\_ID int(6), LAST\_NAME varchar(25), JOB\_ID varchar(10),SALARY Double(8,2),COMM\_PCT double(4,2),MGR\_ID int(6),DEPARTMENT\_ID int(4));

Query OK, 0 rows affected, 5 warnings (0.03 sec)

mysql> desc employee1;

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

| Field | Type | Null | Key | Default | Extra |

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

| EMPLOYEE\_ID | int | YES | | NULL | |

| LAST\_NAME | varchar(25) | YES | | NULL | |

| JOB\_ID | varchar(10) | YES | | NULL | |

| SALARY | double(8,2) | YES | | NULL | |

| COMM\_PCT | double(4,2) | YES | | NULL | |

| MGR\_ID | int | YES | | NULL | |

| DEPARTMENT\_ID | int | YES | | NULL | |

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

7 rows in set (0.00 sec)

Insert the following data into EMPLOYEE table

mysql> insert into employee1 values(198,'connell','SH\_CLERK',2600,2.5,124,50);

Query OK, 1 row affected (0.16 sec)

mysql> desc employee1;^C

mysql> insert into employee1 values(199,'Grant','SH\_CLERK',2600,2.2,124,50);

Query OK, 1 row affected (0.05 sec)

mysql> insert into employee1 values(200,'Whaken','AD\_ASST',4400,1.3,101,10);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee1 values(201,'Hartstein','IT\_PROG',6000,null,100,20);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee1 values(202,'Fay','AC\_MGR',6500,null,210,20);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee1 values(203,'Mavris','AD\_VP',7500,null,101,40);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee1 values(204,'Baer','AD\_PRES',3500,1.5,101,90);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee1 values(205,'Higgins','AC\_MGR',2300,null,101,60);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee1 values(206,'Gitz','IT\_PROG',5000,null,103,60);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee1 values(100,'King','AD\_ASST',8956,0.3,108,100);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee1 values(101,'Kochar','SH\_CLERK',3400,1.3,118,30);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from employee1;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 198 | connell | SH\_CLERK | 2600.00 | 2.50 | 124 | 50 |

| 199 | Grant | SH\_CLERK | 2600.00 | 2.20 | 124 | 50 |

| 200 | Whaken | AD\_ASST | 4400.00 | 1.30 | 101 | 10 |

| 201 | Hartstein | IT\_PROG | 6000.00 | NULL | 100 | 20 |

| 202 | Fay | AC\_MGR | 6500.00 | NULL | 210 | 20 |

| 203 | Mavris | AD\_VP | 7500.00 | NULL | 101 | 40 |

| 204 | Baer | AD\_PRES | 3500.00 | 1.50 | 101 | 90 |

| 205 | Higgins | AC\_MGR | 2300.00 | NULL | 101 | 60 |

| 206 | Gitz | IT\_PROG | 5000.00 | NULL | 103 | 60 |

| 100 | King | AD\_ASST | 8956.00 | 0.30 | 108 | 100 |

| 101 | Kochar | SH\_CLERK | 3400.00 | 1.30 | 118 | 30 |

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

11 rows in set (0.00 sec)

Display last\_name, job\_id, employee\_id for each employee with employee\_id appearing first.

mysql> select EMPLOYEE\_ID,LAST\_NAME,JOB\_ID from employee1;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID |

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

| 198 | connell | SH\_CLERK |

| 199 | Grant | SH\_CLERK |

| 200 | Whaken | AD\_ASST |

| 201 | Hartstein | IT\_PROG |

| 202 | Fay | AC\_MGR |

| 203 | Mavris | AD\_VP |

| 204 | Baer | AD\_PRES |

| 205 | Higgins | AC\_MGR |

| 206 | Gitz | IT\_PROG |

| 100 | King | AD\_ASST |

| 101 | Kochar | SH\_CLERK |

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

11 rows in set (0.00 sec)

4. Display the details of all employees of department 60.

mysql> select \* from employee1 where DEPARTMENT\_ID=60;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 205 | Higgins | AC\_MGR | 2300.00 | NULL | 101 | 60 |

| 206 | Gitz | IT\_PROG | 5000.00 | NULL | 103 | 60 |

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

2 rows in set (0.00 sec)

5. Display the employee details of the employee who’s last\_name is King.

mysql> select \* from employee1 where LAST\_NAME='King';

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 100 | King | AD\_ASST | 8956.00 | 0.30 | 108 | 100 |

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

1 row in set (0.00 sec)

6. Display unique job\_id from EMPLOYEE table. Give alias name to the column as JOB\_TITLE.

mysql> select distinct(JOB\_ID)as JOB\_TITLE from employee1;

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

| JOB\_TITLE |

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

| SH\_CLERK |

| AD\_ASST |

| IT\_PROG |

| AC\_MGR |

| AD\_VP |

| AD\_PRES |

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

7. Display last\_name, salary and salary increase of Rs300. Give the new column name as ‘Increased Salary’.

mysql> select LAST\_NAME,SALARY,(SALARY+300) as increased\_Salary from employee1;

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

| LAST\_NAME | SALARY | increased\_Salary |

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

| connell | 2600.00 | 2900.00 |

| Grant | 2600.00 | 2900.00 |

| Whaken | 4400.00 | 4700.00 |

| Hartstein | 6000.00 | 6300.00 |

| Fay | 6500.00 | 6800.00 |

| Mavris | 7500.00 | 7800.00 |

| Baer | 3500.00 | 3800.00 |

| Higgins | 2300.00 | 2600.00 |

| Gitz | 5000.00 | 5300.00 |

| King | 8956.00 | 9256.00 |

| Kochar | 3400.00 | 3700.00 |

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

11 rows in set (0.00 sec)

8. Display last\_name, salary and annual compensation of all employees, plus a onetime bonus of Rs 100. Give an alias name to the column displaying annual compensation.

mysql> select LAST\_NAME,SAlARY,((SALARY\*12)+100)as annual\_compensation from employee1;

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

| LAST\_NAME | SAlARY | annual\_compensation |

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

| connell | 2600.00 | 31300.00 |

| Grant | 2600.00 | 31300.00 |

| Whaken | 4400.00 | 52900.00 |

| Hartstein | 6000.00 | 72100.00 |

| Fay | 6500.00 | 78100.00 |

| Mavris | 7500.00 | 90100.00 |

| Baer | 3500.00 | 42100.00 |

| Higgins | 2300.00 | 27700.00 |

| Gitz | 5000.00 | 60100.00 |

| King | 8956.00 | 107572.00 |

| Kochar | 3400.00 | 40900.00 |

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

11 rows in set (0.00 sec)

9. Display the details of those employees who get commission.

mysql> select \* from employee1 where COMM\_PCT is NOT NULL;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 198 | connell | SH\_CLERK | 2600.00 | 2.50 | 124 | 50 |

| 199 | Grant | SH\_CLERK | 2600.00 | 2.20 | 124 | 50 |

| 200 | Whaken | AD\_ASST | 4400.00 | 1.30 | 101 | 10 |

| 204 | Baer | AD\_PRES | 3500.00 | 1.50 | 101 | 90 |

| 100 | King | AD\_ASST | 8956.00 | 0.30 | 108 | 100 |

| 101 | Kochar | SH\_CLERK | 3400.00 | 1.30 | 118 | 30 |

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

6 rows in set (0.00 sec)

10.Display the details of those employees who do not get commission

mysql> select \* from employee1 where COMM\_PCT is NULL;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 201 | Hartstein | IT\_PROG | 6000.00 | NULL | 100 | 20 |

| 202 | Fay | AC\_MGR | 6500.00 | NULL | 210 | 20 |

| 203 | Mavris | AD\_VP | 7500.00 | NULL | 101 | 40 |

| 205 | Higgins | AC\_MGR | 2300.00 | NULL | 101 | 60 |

| 206 | Gitz | IT\_PROG | 5000.00 | NULL | 103 | 60 |

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

5 rows in set (0.00 sec)

11.Display the Employee\_id, Department\_id and Salary all employees whose salary is greater than 5000

mysql> select EMPLOYEE\_ID,DEPARTMENT\_ID,SALARY from employee1 where salary>5000;

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

| EMPLOYEE\_ID | DEPARTMENT\_ID | SALARY |

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

| 201 | 20 | 6000.00 |

| 202 | 20 | 6500.00 |

| 203 | 40 | 7500.00 |

| 100 | 100 | 8956.00 |

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

4 rows in set (0.00 sec)

12.Display the Last\_Name and Salary of all employees whose salary is between 4000 and 7000.

mysql> select LAST\_NAME,SALARY from employee1 where SALARY>4000 and SALARY<7000;

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

| LAST\_NAME | SALARY |

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

| Whaken | 4400.00 |

| Hartstein | 6000.00 |

| Fay | 6500.00 |

| Gitz | 5000.00 |

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

4 rows in set (0.00 sec)

13.Display the details of all employees whose salary is either 6000 or 6500 or 7000.

mysql> select \* from employee1 where salary=6000 or salary=6500 or salary=7000;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 201 | Hartstein | IT\_PROG | 6000.00 | NULL | 100 | 20 |

| 202 | Fay | AC\_MGR | 6500.00 | NULL | 210 | 20 |

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

2 rows in set (0.00 sec)

14.Display the details of all those employees who work either in department 10 or 20 or 30 or 50

mysql> select \* from employee1 where DEPARTMENT\_ID in(10,20,30,50);

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 198 | connell | SH\_CLERK | 2600.00 | 2.50 | 124 | 50 |

| 199 | Grant | SH\_CLERK | 2600.00 | 2.20 | 124 | 50 |

| 200 | Whaken | AD\_ASST | 4400.00 | 1.30 | 101 | 10 |

| 201 | Hartstein | IT\_PROG | 6000.00 | NULL | 100 | 20 |

| 202 | Fay | AC\_MGR | 6500.00 | NULL | 210 | 20 |

| 101 | Kochar | SH\_CLERK | 3400.00 | 1.30 | 118 | 30 |

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

6 rows in set (0.00 sec)

15.Display the details of all employees whose salary is not equal to 5000

mysql> select \* from employee1 where salary!=5000;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 198 | connell | SH\_CLERK | 2600.00 | 2.50 | 124 | 50 |

| 199 | Grant | SH\_CLERK | 2600.00 | 2.20 | 124 | 50 |

| 200 | Whaken | AD\_ASST | 4400.00 | 1.30 | 101 | 10 |

| 201 | Hartstein | IT\_PROG | 6000.00 | NULL | 100 | 20 |

| 202 | Fay | AC\_MGR | 6500.00 | NULL | 210 | 20 |

| 203 | Mavris | AD\_VP | 7500.00 | NULL | 101 | 40 |

| 204 | Baer | AD\_PRES | 3500.00 | 1.50 | 101 | 90 |

| 205 | Higgins | AC\_MGR | 2300.00 | NULL | 101 | 60 |

| 100 | King | AD\_ASST | 8956.00 | 0.30 | 108 | 100 |

| 101 | Kochar | SH\_CLERK | 3400.00 | 1.30 | 118 | 30 |

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

10 rows in set (0.00 sec)

16.Display the details of all the CLERKS working in the organization.

mysql> update employee1 set JOB\_ID='GRADE\_A' where salary>5000;

Query OK, 4 rows affected (0.01 sec)

Rows matched: 4 Changed: 4 Warnings: 0

17.Update the job\_id’s of the employees who earn more than 5000 to Grade\_A. Display the table EMPLOYEE after updating.

mysql> select \* from employee1;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 198 | connell | SH\_CLERK | 2600.00 | 2.50 | 124 | 50 |

| 199 | Grant | SH\_CLERK | 2600.00 | 2.20 | 124 | 50 |

| 200 | Whaken | AD\_ASST | 4400.00 | 1.30 | 101 | 10 |

| 201 | Hartstein | GRADE\_A | 6000.00 | NULL | 100 | 20 |

| 202 | Fay | GRADE\_A | 6500.00 | NULL | 210 | 20 |

| 203 | Mavris | GRADE\_A | 7500.00 | NULL | 101 | 40 |

| 204 | Baer | AD\_PRES | 3500.00 | 1.50 | 101 | 90 |

| 205 | Higgins | AC\_MGR | 2300.00 | NULL | 101 | 60 |

| 206 | Gitz | IT\_PROG | 5000.00 | NULL | 103 | 60 |

| 100 | King | GRADE\_A | 8956.00 | 0.30 | 108 | 100 |

| 101 | Kochar | SH\_CLERK | 3400.00 | 1.30 | 118 | 30 |

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

11 rows in set (0.00 sec)

18.Display the details of all those employees who are either CLERK or PROGRAMMER or ASSISTANT.

mysql> select \* from employee1 where JOB\_ID in('SH\_CLERK','IT\_PROG','AD\_ASST');

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 198 | connell | SH\_CLERK | 2600.00 | 2.50 | 124 | 50 |

| 199 | Grant | SH\_CLERK | 2600.00 | 2.20 | 124 | 50 |

| 200 | Whaken | AD\_ASST | 4400.00 | 1.30 | 101 | 10 |

| 206 | Gitz | IT\_PROG | 5000.00 | NULL | 103 | 60 |

| 101 | Kochar | SH\_CLERK | 3400.00 | 1.30 | 118 | 30 |

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

5 rows in set (0.00 sec)

19.Display those employees from the EMPLOYEE table whose designation is CLERK and salary is less than 3000

mysql> select \* from employee1 where JOB\_ID='SH\_CLERK' and salary<3000;

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

| EMPLOYEE\_ID | LAST\_NAME | JOB\_ID | SALARY | COMM\_PCT | MGR\_ID | DEPARTMENT\_ID |

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

| 198 | connell | SH\_CLERK | 2600.00 | 2.50 | 124 | 50 |

| 199 | Grant | SH\_CLERK | 2600.00 | 2.20 | 124 | 50 |

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

2 rows in set (0.00 sec)

20.Display those employees Last\_Name, Mgr\_id from the EMPLOYEE table whose salary is above 3000 and work under Manager 101

mysql> select LAST\_NAME,MGR\_ID from employee1 where salary>3000 and MGR\_ID=101;

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

| LAST\_NAME | MGR\_ID |

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

| Whaken | 101 |

| Mavris | 101 |

| Baer | 101 |

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

3 rows in set (0.00 sec)