DATABASE : MNC\_EMPLOYEE

TABLE : ‘EMPLOYEE’

Select \* from EMPLOYEE;

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

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

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

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

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

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

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

| 200 | Whalen | 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 | Marvis | 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 |

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

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

mysql> SELECT EMPLOYEE\_ID , LAST\_NAME , JOB\_ID FROM EMPLOYEE;

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

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

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

| 100 | King | AD\_ASST |

| 101 | Kochar | SH\_CLERK |

| 198 | Connell | SH\_CLERK |

| 199 | Grant | SH\_CLERK |

| 200 | Whalen | AD\_ASST |

| 201 | Hartstein | IT\_PROG |

| 202 | Fay | AC\_MGR |

| 203 | Marvis | AD\_VP |

| 204 | Baer | AD\_PRES |

| 205 | Higgins | AC\_MGR |

| 206 | Gitz | IT\_PROG |

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

1. **Display the details of all employees of department 60.**

mysql> SELECT \* FROM EMPLOYEE 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 |

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

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

mysql> SELECT \* FROM EMPLOYEE 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)
2. **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 EMPLOYEE;

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

| JOB\_TITLE |

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

| AD\_ASST |

| SH\_CLERK |

| IT\_PROG |

| AC\_MGR |

| AD\_VP |

| AD\_PRES |

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

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

SELECT LAST\_NAME , SALARY , SALARY+300 AS INCREASED\_SALARY FROM EMPLOYEE;

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

| LAST\_NAME | SALARY | INCREASED\_SALARY |

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

| King | 8956.00 | 9256.00 |

| Kochar | 3400.00 | 3700.00 |

| Connell | 2600.00 | 2900.00 |

| Grant | 2600.00 | 2900.00 |

| Whalen | 4400.00 | 4700.00 |

| Hartstein | 6000.00 | 6300.00 |

| Fay | 6500.00 | 6800.00 |

| Marvis | 7500.00 | 7800.00 |

| Baer | 3500.00 | 3800.00 |

| Higgins | 2300.00 | 2600.00 |

| Gitz | 5000.00 | 5300.00 |

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

1. **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.**

SELECT LAST\_NAME , SALARY , (SALARY\*12)+100 AS 'annual\_compensation' FROM EMPLOYEE;

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

| LAST\_NAME | SALARY | annual\_compensation |

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

| King | 8956.00 | 107572.00 |

| Kochar | 3400.00 | 40900.00 |

| Connell | 2600.00 | 31300.00 |

| Grant | 2600.00 | 31300.00 |

| Whalen | 4400.00 | 52900.00 |

| Hartstein | 6000.00 | 72100.00 |

| Fay | 6500.00 | 78100.00 |

| Marvis | 7500.00 | 90100.00 |

| Baer | 3500.00 | 42100.00 |

| Higgins | 2300.00 | 27700.00 |

| Gitz | 5000.00 | 60100.00 |

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

1. ows in set (0.00 sec)
2. **Display the details of those employees who get commission.**

SELECT \* FROM EMPLOYEE WHERE COMM\_PCT IS NOT NULL;

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

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

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

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

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

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

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

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

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

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

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

SELECT \* FROM EMPLOYEE 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 | Marvis | 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 |

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

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

SELECT EMPLOYEE\_ID , DEPARTMENT\_ID , SALARY FROM EMPLOYEE WHERE SALARY>5000 ;

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

| EMPLOYEE\_ID | DEPARTMENT\_ID | SALARY |

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

| 100 | 100 | 8956.00 |

| 201 | 20 | 6000.00 |

| 202 | 20 | 6500.00 |

| 203 | 40 | 7500.00 |

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

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

SELECT LAST\_NAME , SALARY FROM EMPLOYEE WHERE SALARY BETWEEN 4000 AND 7000;

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

| LAST\_NAME | SALARY |

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

| Whalen | 4400.00 |

| Hartstein | 6000.00 |

| Fay | 6500.00 |

| Gitz | 5000.00 |

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

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

SELECT \* FROM EMPLOYEE WHERE SALARY IN (6000,6500 , 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 |

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

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

SELECT \* FROM EMPLOYEE WHERE DEPARTMENT\_ID IN (10,20,30,50);

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

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

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

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

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

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

| 200 | Whalen | 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 |

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

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

SELECT \* FROM EMPLOYEE WHERE SALARY <> 5000;

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

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

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

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

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

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

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

| 200 | Whalen | 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 | Marvis | 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 |

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

1. **Display the details of all the CLERKS working in the organization.**

SELECT \* FROM EMPLOYEE WHERE JOB\_ID =

-> "SH\_CLERK";

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

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

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

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

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

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

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

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

SELECT EMPLOYEE\_ID , SALARY , SALARY>5000 AS GRADE\_A FROM EMPLOYEE;

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

| EMPLOYEE\_ID | SALARY | GRADE\_A |

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

| 100 | 8956.00 | 1 |

| 101 | 3400.00 | 0 |

| 198 | 2600.00 | 0 |

| 199 | 2600.00 | 0 |

| 200 | 4400.00 | 0 |

| 201 | 6000.00 | 1 |

| 202 | 6500.00 | 1 |

| 203 | 7500.00 | 1 |

| 204 | 3500.00 | 0 |

| 205 | 2300.00 | 0 |

| 206 | 5000.00 | 0 |

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

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

SELECT \* FROM EMPLOYEE WHERE JOB\_ID IN ("AD\_ASST" , "SH\_CLERK" , "IT\_PROG");

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

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

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

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

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

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

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

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

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

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

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

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

SELECT \* FROM EMPLOYEE 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 |

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

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

SELECT LAST\_NAME , MGR\_ID FROM EMPLOYEE WHERE SALARY > 3000 AND JOB\_ID <> "AC\_MGR" ;

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

| LAST\_NAME | MGR\_ID |

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

| King | 108 |

| Kochar | 118 |

| Whalen | 101 |

| Hartstein | 100 |

| Marvis | 101 |

| Baer | 101 |

| Gitz | 103 |

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