**3. Display last\_name, job\_id, employee\_id for each employee with employee\_id**

**appearing first.**

**-> select employee\_id,last\_name,job\_id from employee;**

**+-------------+-----------+----------+**

**| employee\_id | last\_name | job\_id |**

**+-------------+-----------+----------+**

**| 198 | Connell | SH\_CLERK |**

**| 199 | Grant | SH\_CLERK |**

**| 200 | Whalen | 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 |**

**+-------------+-----------+----------+**

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

**-> 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 |**

**+-------------+-----------+---------+---------+----------+--------+---------------+**

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

**-> 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 |**

**+-------------+-----------+---------+---------+----------+--------+---------------+**

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

**JOB\_TITLE.**

**-> select distinct(job\_id) as 'JOB\_TITLE' from employee;**

**+-----------+**

**| 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’.

-> select last\_name, salary, (salary+300) as increased\_salary from employee;

**+-----------+---------+------------------+**

**| last\_name | salary | increased\_salary |**

**+-----------+---------+------------------+**

**| 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 |**

**| 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 |**

**+-----------+---------+------------------+**

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.

-> select last\_name, salary, (salary+300)\*12+100 as annual\_com from employee;

**+-----------+---------+------------+**

**| last\_name | salary | annual\_com |**

**+-----------+---------+------------+**

**| Connell | 2600.00 | 34900.00 |**

**| Grant | 2600.00 | 34900.00 |**

**| Whalen | 4400.00 | 56500.00 |**

**| Hartstein | 6000.00 | 75700.00 |**

**| Fay | 6500.00 | 81700.00 |**

**| Mavris | 7500.00 | 93700.00 |**

**| Baer | 3500.00 | 45700.00 |**

**| Higgins | 2300.00 | 31300.00 |**

**| Gitz | 5000.00 | 63700.00 |**

**| King | 8956.00 | 111172.00 |**

**| Kochar | 3400.00 | 44500.00 |**

**+-----------+---------+------------+**

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

**-> select \* from employee where comm\_pct!='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 | Whalen | 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 |**

**+-------------+-----------+----------+---------+----------+--------+---------------+**

**10.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 | 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 |**

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

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

**11.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 |**

**+-------------+---------------+---------+**

**| 201 | 20 | 6000.00 |**

**| 202 | 20 | 6500.00 |**

**| 203 | 40 | 7500.00 |**

**| 100 | 100 | 8956.00 |**

**+-------------+---------------+---------+**

**12.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 |**

**+-----------+---------+**

**13.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 |**

**+-------------+-----------+---------+---------+----------+--------+---------------+**

**14.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 |**

**+-------------+-----------+----------+---------+----------+--------+---------------+**

**| 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 |**

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

**+-------------+-----------+----------+---------+----------+--------+---------------+**

**15.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 |**

**+-------------+-----------+----------+---------+----------+--------+---------------+**

**| 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 | 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 |**

**+-------------+-----------+----------+---------+----------+--------+---------------+**

**16.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 |**

**+-------------+-----------+----------+---------+----------+--------+---------------+**

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

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

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

**+-------------+-----------+----------+---------+----------+--------+---------------+**

**17.Update the job\_id’s of the employees who earn more than 5000 to Grade\_A.**

**Display the table EMPLOYEE after updating.**

**-> update employee set job\_id='Grade\_A' where salary>5000;**

**->select \* from employee;**

**+-------------+-----------+----------+---------+----------+--------+---------------+**

**| 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 | Whalen | 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 |**

**+-------------+-----------+----------+---------+----------+--------+---------------+**

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

**PROGRAMMER or ASSISTANT.**

**-> select \* from employee 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 | 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 |**

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

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

**+-------------+-----------+----------+---------+----------+--------+---------------+**

**19.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 |**

**+-------------+-----------+----------+---------+----------+--------+------------**

**20.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 mgr\_id=101;**

**+-----------+--------+**

**| last\_name | mgr\_id |**

**+-----------+--------+**

**| Whalen | 101 |**

**| Mavris | 101 |**

**| Baer | 101 |**

**+-----------+--------+**