1. **Express work experience of each of the employees by using sysdate and hiredate in terms of no of years (no fraction allowed).**

SQL> select ename,empno, trunc(months\_between(sysdate,hiredate)/12)as experince\_year from emp\_rajdeep;

ENAME EMPNO EXPERINCE\_YEAR

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MR. SMITH 7369 43

MR. allen 7499 43

MR. WARD 7521 43

MR. JONES 7566 43

MR. MARTIN 7654 42

MR. BLAKE 7698 43

MR. CLARK 7782 43

MR. KONG 7839 42

8 rows selected.

**2. List down the number of employees, minimum salary, and maximum salary for each department.**

SQL>select deptno,count(empno),max(sal),min(sal)from emp\_rajdeep group by deptno;

DEPTNO COUNT(EMPNO) MAX(SAL) MIN(SAL)

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30 4 2850 1250

20 2 2975 800

10 2 5000 2450

**3. Display a department id wise count of employees getting salary more than 5000.**

SQL> select deptno,count(\*) as emp\_count from emp\_rajdeep where sal>5000 group by deptno;

no rows selected

**4. Apart from the above condition, select only those departments which has an average salary greater than 6500**

SQL> select deptno,count(empno) from emp\_rajdeep group by deptno having avg(sal)>6500;

no rows selected

5. **Display day, month and year of the hire date of the employees**

SQL> select ename,to\_char(hiredate,'DD')as hire\_day,to\_char(hiredate,'MM')as hire\_month,to\_char(hiredate,'YYYY')as hire\_year from emp\_rajdeep;

ENAME HI HI HIRE

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MR. SMITH 17 12 1980

MR. allen 20 02 1981

MR. WARD 22 02 1981

MR. JONES 02 04 1981

MR. MARTIN 28 09 1981

MR. BLAKE 01 05 1981

MR. CLARK 09 06 1981

MR. KONG 17 11 1981

8 rows selected.

6. **If an employee has spent less than 5 years then he is considered entry level id 5 – 10 then midlevel else a senior employee. Write a query, which will label the employees in either of the above categories**

SQL> alter table emp\_rajdeep add emp\_level varchar2(20);

Table altered.

SQL> update emp\_rajdeep set emp\_level ='Senior' where trunc(months\_between(sysdate,hiredate)/12)>10;

8 rows updated.

7. **How many employees are getting 10,000 salary?**

SQL> select count(\*) from emp\_rajdeep where salary>10000;

COUNT(\*)

----------

5

**8. Who is getting maximum salary among the employees from Kolkata?**

SQL> select emp\_id,name,salary from emp\_rajdeep where branch='kolkata' and salary=(select max(salary) from emp\_rajdeep where branch='kolkata');

EMP\_ID NAME SALARY

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3 ishani 20000

**9. How many female employees are working in the company?**

SQL> select count(\*) from emp\_rajdeep where gender='female';

COUNT(\*)

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3

**10. How many male employees from Kolkata are getting salary more than 12,000?**

SQL> select count(\*) from emp\_rajdeep where branch='kolkata'and salary>=12000;

COUNT(\*)

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2

**11. What is the average salary of all employees working for each department?**

SQL> select deptid,avg(salary) from emp\_rajdeep group by deptid;

DEPTID AVG(SALARY)

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30 15000

20 15000

10 15000

**12**. **Name the female employees who are getting maximum salary among every female employees of the company.**

SQL> select name,salary from emp\_rajdeep where gender='female' and salary=(select max(salary) from emp\_rajdeep where gender='female');

NAME SALARY

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ishani 20000

**13. Count the number of female employees working in each department.**

SQL> select deptid,count(\*)as female\_count from emp\_rajdeep where gender='female' group by deptid;

DEPTID FEMALE\_COUNT

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30 1

10 2

**14. Who is the most experienced employee of the company?**

SQL> select emp\_id,name,doj from emp\_rajdeep where doj=(select min(doj) from emp\_rajdeep);

EMP\_ID NAME DOJ

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6 mayank 04-APR-15

**15. Change the formats of the DOJ column to ‘4th November, 2018’ who are from Kolkata.**

SQL> select emp\_id,name,to\_char(doj,'ddth Month,YYYY')from emp\_rajdeep where branch='kolkata';

EMP\_ID NAME TO\_CHAR(DOJ,'DDTHMO

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1 harshita 04th November ,2018

3 ishani 14th November ,2015

5 ishan 04th November ,2018

**16. What is the total amount of the employees from Delhi getting salary more than 10,000?**

SQL> select count(\*) from emp\_rajdeep where branch='delhi' and salary>10000;

COUNT(\*)

----------

2

**17. Arrange the name of the employees in descending order of their experience.**

SQL> select name from emp\_rajdeep order by doj;

NAME

--------------------

mayank

ishani

kitty

koushik

akash

ishan

harshita

7 rows selected.