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REG No:- RA1811003010691

SEC:- D2

DATE:- 12/4/2021

DDL WORKSHEET-XI

I. List the name of the employee whose salary is greater than that of employee with empno 1689.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select ename from emp where sal > (select sal from emp where empno=1689);

ENAME
-----
Roopu
Shubham
Kunal
Shreya
```

II. Display the details of employees who get minimum salary in the company.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select ename,sal,hiredate,deptno,comm from emp where sal=(select min(sal) from emp);

ENAME                SAL  HIREDATE    DEPTNO    COMM
-----
Harshal              40000 18-JUL-21      8      1000
```

III. List deptno and minimum of salary dept wise, only if minimum of salary is greater than the minimum salary of department 4.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select deptno, sal from emp where sal in (select min(sal) from emp where DEPTNO=4) group by deptno);

DEPTNO    SAL
-----
1         70000
2         80000
5         65000
9         70000
4         67000
3         75000

6 rows selected.
```

IV. List the employee no,name and designation whose designation is not a 'Intern' and whose salary is less than atleast one of the salaries of the employees whose designation is 'Manager'.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select empno,ename,job from emp where job!='Intern' and sal < (select max(sal) from emp where job='Manager');

EMPNO  ENAME      JOB
-----
1692   Varun      Worker
1694   Hemant     Worker
1695   Riya       Manager
1697   Harshal    Manager
1683   Prachi     Worker
1682   Kunal      Manager

6 rows selected.
```

V. List the employee names who are having similar salary.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select ename,sal from emp where sal in (select sal from emp group by sal having count(*)>1);
```

ENAME	SAL
Hemant	55000
Utkarsh	55000
Devangi	70000
Ritvick	70000

VI. Display the details of employees who get maximum salary in the company.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select empno,deptno,job,ename,sal,hiredate from emp where sal=(select max(sal) from emp);
```

EMPNO	DEPTNO	JOB	ENAME	SAL	HIREDATE
1691	3	Owner	Shubham	85000	18-DEC-20

VII. In which year most of the employee joined.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select TO_CHAR (hiredate,'YYYY') from emp group by TO_CHAR (hiredate, 'YYYY') having count(EMPNO)=(select max(count(EMPNO)) from emp group by TO_CHAR (hiredate,'YYYY'));
```

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VIII. List ename,job,salary of the employees whose salary is equal to any one of the salary of the employee 'Devangi' and 'Utkarsh'.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select ename,job,sal from emp where sal in(select sal from emp where ename in('Devangi','Utkarsh'));
```

ENAME	JOB	SAL
Devangi	Intern	70000
Ritvick	Intern	70000
Hemant	Worker	55000
Utkarsh	Intern	55000

IX. List the employee details if and only if more than 2 employees are present in the deptno 4.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select ename,sal from emp having 2<=(select count(empno) from emp where deptno=4);
```

ENAME	SAL
Devangi	70000
Roopu	80000
Shubham	85000
Varun	60000
Eshan	65000
Hemant	55000
Riya	50000
Ajay	45000
Harshal	40000
Ritvick	70000
Prachi	67000

ENAME	SAL
Kunal	73000
Utkarsh	55000
Shreya	75000

14 rows selected.

X. Write correlated subquery to list-out the employees who earn more than the average salary of their department.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select ename from emp e1 where sal>(select avg(sal) from emp e2 where e2.deptno=e1.deptno);

ENAME
-----
Shubham
Eshan
Ritvick
Prachi
Kunal
```

XI. Find the nth maximum salary.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select sal from(select sal,dense_rank() over(order by sal desc)r from emp) where r=&n;
Enter value for n: 2
old 1: select sal from(select sal,dense_rank() over(order by sal desc)r from emp) where r=&n
new 1: select sal from(select sal,dense_rank() over(order by sal desc)r from emp) where r=2

SAL
-----
80000

SQL> select sal from(select sal,dense_rank() over(order by sal desc)r from emp) where r=&n;
Enter value for n: 3
old 1: select sal from(select sal,dense_rank() over(order by sal desc)r from emp) where r=&n
new 1: select sal from(select sal,dense_rank() over(order by sal desc)r from emp) where r=3

SAL
-----
75000
```

XII. List the employees details whose salary is greater than the average salary of each department.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select ename,sal,job from emp e1 where sal>(select max(avg(sal)) from emp e2 group by deptno);

ENAME                SAL JOB
-----
Shubham              85000 Owner
```