PRACTICAL – 8

Q1. display the employee details whose location is New York.

```
SQL> show user
USER is "C##ASHISH"
SQL> select * from emp where deptno in (select deptno from dept where location = 'New York');

     EMPNO ENAME                      JOB              MGR HIREDATE      SALARY       COMM     DEPTNO
---------- ------------------------- ---------- ---------- --------- ---------- ---------- ----------
      7839 king                      president            17-NOV-81       5000                    10
      7782 clark                     manager         7839 09-JUN-81       2450                    10

SQL>
```

Q2. Display the job for employee 7900 in the format is a.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select ename ||' is a '|| job from emp where empno = 7900;

ENAME||'ISA'||JOB
-----------------------------------------
james is a clerk

SQL>
```

Q3. Display the sum, average, highest &lowest salary of employee.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select sum(salary), avg(salary), max(salary), min(salary) from emp;

SUM(SALARY) AVG(SALARY) MAX(SALARY) MIN(SALARY)
----------- ----------- ----------- -----------
      29025  2073.21429        5000         800

SQL>
```

Q4. Display the query on following <employee> earn $ <salary> monthly working <job> as from table.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select ename || ' earn $ ' || salary || ' monthly working as ' || job from emp;

ENAME||'EARN$'||SALARY||'MONTHLYWORKINGAS'||JOB
--------------------------------------------------------------------------------
king earn $ 5000 monthly working as president
blake earn $ 2850 monthly working as manager
clark earn $ 2450 monthly working as manager
jones earn $ 2975 monthly working as manager
martin earn $ 1250 monthly working as salesman
allen earn $ 1600 monthly working as salesman
turner earn $ 1500 monthly working as salesman
james earn $ 950 monthly working as clerk
ward earn $ 1250 monthly working as salesman
ford earn $ 3000 monthly working as analyst
smith earn $ 800 monthly working as clerk
scott earn $ 3000 monthly working as analyst
adams earn $ 1100 monthly working as clerk
miller earn $ 1300 monthly working as clerk

14 rows selected.

SQL>
```

Q5. Find out the reminder of 11 divided by 4.

```
SQL> show user
USER is "C##ASHISH"
SQL> select mod(11, 4) from dual;

 MOD(11,4)
----------
         3

SQL>
```

Q6. Display the department details who have at least one employee.

```
SQL> show user
USER is "C##ASHISH"
SQL> select * from dept where deptno in (select deptno from emp where emp.deptno = dept.deptno);

    DEPTNO DEPTNAME            LOCATION
---------- -------------------- ------------------------------
        10 Accounting           New York
        30 Sales                Chicago
        20 Research             Dallas

SQL>
```

Q7. Concatenate name & empno having employee code 7900 & 7788.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select ename || empno from emp where empno in(7900, 7788);

ENAME||EMPNO
--------------------------------------------------------------
scott7788
james7900

SQL>
```

Q8. How many distinct jobs are there in emp table.

```
SQL> show user;
USER is "C##ASHISH"
SQL> select count (distinct job) from emp;

COUNT(DISTINCTJOB)
------------------
                 5

SQL>
```

Q9. display the most senior employee detail.

```
SQL> show user
USER is "C##ASHISH"
SQL> select min(hiredate) from emp;

MIN(HIRED
---------
17-DEC-80

SQL>
```

Q10.display the employee detail who recently join the company.

```
SQL> show user
USER is "C##ASHISH"
SQL> select max(hiredate) from emp;

MAX(HIRED
---------
12-JAN-83

SQL>
```