Assignment-4

Thota GuruTheja Reddy

19BCD7034

L57&L58

TABLE CREATION:

```
SQL> CREATE TABLE EMPLOYEE(NAME VARCHAR2(10), DOB DATE, DOJ DATE, GENDER VARCHAR2(3), SKILL1 VARCHAR2(10), SKILL2 VARCHAR2(10
), SALARY NUMBER(10), NUMBER_OF_PACKAGES NUMBER(10));

Table created.
```

INSERTION OF DATA

```
SQL> INSERT INTO EMPLOYEE VALUES('ANITHA','30-JUN-1960','28-APR-1975','F','C++','ASP
.NET',1000,3);

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES('KAMALA','28-APR-1975','20-MAY-1992','F','DBASE','C
#NET',2000,2);

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES('MARY','30-MAR-1991','09-APR-2005','F','C++','DBASE
',2020,4);

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES('ANAND','02-JAN-1989','20-APR-2009','M','ORACLE','C
',2100,3);

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES('KARTHICK','11-FEB-1970','15-JUN-2012','M','JAVA','
C++',2500,2);

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES('VIJAY','29-OCT-1982','15-JUN-2012','M','C#NET','C+
+',2520,3);

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES('JAGADESH','19-DEC-1987','15-JUN-2012','M','COBOL',
'C++',2500,4);

1 row created.
```

1.

```
SQL> SELECT COUNT(NAME) AS FEMALE_EMPLOYEES FROM EMPLOYEE WHERE GENDER='F';

FEMALE_EMPLOYEES
----------------
               3
```

2.

```
SQL> SELECT AVG(SALARY) FROM EMPLOYEE;

AVG(SALARY)
-----------
 2091.42857
```

3.

```
SQL> SELECT COUNT(NAME) FROM EMPLOYEE WHERE SKILL1='COBOL' OR SKILL1='PASCAL' OR SKI
LL2='COBOL' OR SKILL2 ='PASCAL';

COUNT(NAME)
-----------
          1
```

4.

```
SQL>  SELECT ROUND(AVG(ROUND((SYSDATE - DOB)/365))) AS AVERAGE_FEMALE_AGE FROM EMPLOYEE;

AVERAGE_FEMALE_AGE
------------------
                42
```

5.

```
SQL> SELECT NAME,NUMBER_OF_PACKAGES FROM EMPLOYEE;

NAME           NUMBER_OF_PACKAGES
---------- ------------------
ANITHA                      3
KAMALA                      2
MARY                        4
ANAND                       3
KARTHICK                    2
VIJAY                       3
JAGADESH                    4

7 rows selected.
```

6. AND 7.

```
SQL> SELECT GENDER,COUNT(NAME) AS NUMBER_OF_EMPLOYEES FROM EMPLOYEE GROUP BY GENDER;

GEN NUMBER_OF_EMPLOYEES
--- ------------------
M                    4
F                    3
```

```
SQL> SELECT NAME,NUMBER_OF_PACKAGES FROM EMPLOYEE;

NAME           NUMBER_OF_PACKAGES
---------- ------------------
ANITHA                      3
KAMALA                      2
MARY                        4
ANAND                       3
KARTHICK                    2
VIJAY                       3
JAGADESH                    4

7 rows selected.
```

8. AND 9.

```
SQL> SELECT COUNT(NAME) AS EMPLOYEE FROM EMPLOYEE  WHERE SALARY>5000 AND SALARY<10000;

  EMPLOYEE
----------
         0

SQL> SELECT AVG(SALARY) AS AVG_SALARY FROM EMPLOYEE WHERE SKILL1='C++' OR SKILL2='C++';

AVG_SALARY
----------
      2108
```

10. AND 11.

```
SQL> SELECT NAME,SKILL1,SKILL2,SALARY FROM EMPLOYEE WHERE SALARY=(SELECT MAX(SALARY) FROM EMPLOYEE);

NAME        SKILL1     SKILL2        SALARY
---------- ---------- ---------- ----------
VIJAY       C#NET      C++             2520

SQL> SELECT NAME,SALARY FROM EMPLOYEE WHERE SALARY=(SELECT MIN(SALARY) FROM EMPLOYEE);

NAME            SALARY
---------- ----------
ANITHA          1000
```

12.

```
SQL> SELECT SUM(SALARY) FROM EMPLOYEE WHERE SKILL1='C#NET' OR SKILL2='C#NET';

SUM(SALARY)
----------
      4520
```