ASSIGNMENT 5

1.Calculate 10*10.

```
SQL> SELECT 10*10 FROM DUAL;

     10*10
----------
       100
```

2.Display system date.

```
SQL> SELECT SYSDATE FROM DUAL;

SYSDATE
---------
14-FEB-22
```

3.Calculate the absolute value of -20.

```
SQL> SELECT ABS(-20) FROM DUAL;

  ABS(-20)
----------
        20
```

4.Calculate 10^10.

```
SQL> SELECT POWER(10,10) FROM DUAL;

POWER(10,10)
------------
  1.0000E+10
```

5.Calculate square root of 25.

```
SQL> SELECT SQRT(25) FROM DUAL;

  SQRT(25)
----------
         5
```

6.Round the value 23.565 to one places of decimal.

```
SQL> SELECT ROUND(23.565,1) FROM DUAL;

ROUND(23.565,1)
---------------
           23.6
```

7.Display ‘TRIDENT’ in lowercase

```
SQL> SELECT LOWER('TRIDENT') FROM DUAL;

LOWER('
-------
trident
```

8.Display ‘trident’ in uppercase.

```
SQL> SELECT UPPER('trident') FROM DUAL;

UPPER('
-------
TRIDENT
```

9.Display the first letter of your name in uppercase.

```
SQL> SELECT INITCAP('ASHUTOSH SINGH PATEL') FROM DUAL;

INITCAP('ASHUTOSHSIN
--------------------
Ashutosh Singh Patel
```

10.Calculate the length of your name.

```
SQL> SELECT LENGTH('ASHUTOSH SINGH PATEL') FROM DUAL;

LENGTH('ASHUTOSHSINGHPATEL')
----------------------------
                          20
```

11.Write a query that would return a string like “ORA” , if the string inputted is ‘ORACLE’.

```
SQL> SELECT SUBSTR('ORACLE',1,3) FROM DUAL;

SUB
---
ORA
```

12.Find the character position of ‘C’ in the string ‘ORACLE’.

```
SQL> SELECT INSTR('ORACLE', 'C') "POSITION FOUND" FROM DUAL;

POSITION FOUND
--------------
             4
```

13.Delete the extra spaces from the strings ‘ ORACLE’ and ‘ORACLE ‘

```
SQL> SELECT LTRIM('  ORACLE',' ') FROM DUAL;

LTRIM(
------
ORACLE

SQL> SELECT RTRIM('ORACLE  ',' ') FROM DUAL;

RTRIM(
------
ORACLE
```

14.Write a query that would display **ORACLE, if the string inputted is ORACLE.

```
SQL> SELECT LPAD('ORACLE',8,'*') FROM DUAL;

LPAD('OR
--------
**ORACLE
```

15.Same as question 14 but the output is ORACLE**.

```
SQL> SELECT RPAD('ORACLE',8,'*') FROM DUAL;

RPAD('OR
--------
ORACLE**
```

16.Retrieve the last month specified in system date.

```
SQL> SELECT EXTRACT(MONTH FROM SYSDATE) FROM DUAL;

EXTRACT(MONTHFROMSYSDATE)
-------------------------
                        2
```

17.Retrieve number of months between 01-01-07 to 01-05-07.

```
SQL> SELECT MONTHS_BETWEEN('01-JAN-07', '01-MAY-07') FROM DUAL;

MONTHS_BETWEEN('01-JAN-07','01-MAY-07')
---------------------------------------
                                     -4
```

18.Round 56.23 using negative numbers(e.g.-1,-2, and-3)

```
SQL> SELECT ROUND(56.23,-1) FROM DUAL;

ROUND(56.23,-1)
---------------
             60

SQL> SELECT ROUND(56.23,-2) FROM DUAL;

ROUND(56.23,-2)
---------------
            100
```

19.Find out the remainder of the division 1600/300.

```
SQL> SELECT MOD(1600,300) FROM DUAL;

MOD(1600,300)
-------------
          100
```

20.Find the maximum and minimum number from a list of numbers.

```
SQL> SELECT * FROM NUMBERS_2005017;

       NUM
----------
      10.5
      35.1
      64.1
      32.5

SQL> SELECT MAX(NUM) FROM NUMBERS_2005017;

  MAX(NUM)
----------
      64.1

SQL> SELECT MIN(NUM) FROM NUMBERS_2005017;

  MIN(NUM)
----------
      10.5
```