EXPERIMENT-8

AIM : Write SQL queries to perform ORACLE BUILT-IN FUNCTIONS (i.e. DATE, TIME).

Built-in Functions

1.   **Character Functions I. Case-conversion functions**

   II.   **Character manipulation functions**

2.   **Number Functions**

3.   **DATE functions**

4.   CREATING TABLE :

```
SQL> CREATE TABLE names(
  2  first_name VARCHAR(20) NOT NULL,
  3  last_name VARCHAR(20) NOT NULL
  4  );

Table created.
```

INSERTING VALUES :

```
SQL> INSERT ALL
  2  INTO names VALUES('bindu','chitran')
  3  INTO names VALUES('preethi','reddy')
  4  INTO names VALUES('pooji','gattamaneni')
  5  INTO names VALUES('kavya','battini')
  6  SELECT * FROM dual;

4 rows created.
```

1. Character Functions

I.   Case-conversion functions :

LOWER ();

```
SQL> SELECT LOWER(first_name) FROM names;

LOWER(FIRST_NAME)
--------------------
bindu
preethi
pooji
kavya
```

UPPER();

```
SQL> SELECT UPPER(first_name) FROM names;

UPPER(FIRST_NAME)
--------------------
BINDU
PREETHI
POOJI
KAVYA
```

INITCAP();

```
SQL> SELECT INITCAP(first_name) FROM names;

INITCAP(FIRST_NAME)
--------------------
Bindu
Preethi
Pooji
Kavya
```

Character manipulation functions:

CONCAT():

```
SQL> SELECT CONCAT(first_name,last_name) FROM names;

CONCAT(FIRST_NAME,LAST_NAME)
--------------------------------------------
binduchitran
preethireddy
poojigattamaneni
kavyabattini
```

SUBSTR():

```
SQL> SELECT SUBSTR(first_name,1,4) FROM names;

SUBSTR(FIRST_NAM
----------------
bind
pree
pooj
kavy
```

LENGTH() :

```
SQL> SELECT LENGTH(first_name) FROM names;

LENGTH(FIRST_NAME)
------------------
                 5
                 7
                 5
                 5
```

INSTR() :

```
SQL> SELECT INSTR(first_name,'KA') FROM names;

INSTR(FIRST_NAME,'KA')
----------------------
                     0
                     0
                     0
                     0
```

TRIM() :

```
SQL> SELECT TRIM('A' FROM first_name) FROM names;

TRIM('A'FROMFIRST_NA
--------------------
bindu
preethi
pooji
kavya
```

2. Number Functions :

ROUND() :

```
SQL> SELECT ROUND(11.111,2) FROM dual;

ROUND(11.111,2)
---------------
          11.11
```

MOD() :

```
SQL> SELECT MOD(11,2) FROM dual;

 MOD(11,2)
----------
         1
```

2.DATE functions :

SYSDATE()

```
SQL> SELECT SYSDATE FROM dual;

SYSDATE
---------
19-DEC-23
```

MONTHS-BETWEEN() :

```
SQL> SELECT MONTHS_BETWEEN(SYSDATE,'19-DEC-23') FROM dual;

MONTHS_BETWEEN(SYSDATE,'19-DEC-23')
-----------------------------------
                                  0
```

ADD_MONTHS() :

```
SQL> SELECT ADD_MONTHS(SYSDATE,12) FROM dual;

ADD_MONTH
---------
19-DEC-24
```

NEXT_DAY():

```
SQL> SELECT NEXT_DAY(SYSDATE,'MONDAY') FROM dual;

NEXT_DAY(
---------
25-DEC-23
```

LAST_DAY() :

```
SQL> SELECT LAST_DAY(SYSDATE) FROM dual;

LAST_DAY(
---------
31-DEC-23
```

```
SQL> SELECT CURRENT_TIMESTAMP(3) FROM dual;

CURRENT_TIMESTAMP(3)
----------------------------------------------------
19-DEC-23 10.41.44.884 PM +05:30
```