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ROLL NO. : 13

FYCS

## PRACTICAL NO.6

### Numeric Functions

Absolute( Abs):

```
SQL> select abs (-4) from dual;

      ABS(-4)
-----
           4
```

Ceil:

```
SQL> select ceil (12.30) from dual;

    CEIL(12.30)
-----
           13
```

Floor:

```
SQL> select floor (12.30) from dual;

    FLOOR(12.30)
-----
           12
```

SQRT:

```
SQL> select sqrt (3397) from dual;

    SQRT(3397)
-----
    58.2837885
```

MOD:

```
SQL> select mod (-34,3) from dual;

    MOD(-34,3)
-----
          -1
```

ROUND:

```
SQL> select round (12.30) from dual;

ROUND(12.30)
-----
          12
```

```
SQL> select round (10.379,2) from dual;

ROUND(10.379,2)
-----
         10.38
```

```
SQL> select round (10.379,-2) from dual;

ROUND(10.379,-2)
-----
           0
```

REMAINDER:

```
SQL> select remainder (23,2) from dual;

REMAINDER(23,2)
-----
          -1
```

POWER:

```
SQL> select power (27,3) from dual;

POWER(27,3)
-----
       19683
```

TRUNC:

```
SQL> select trunc (123.231,2) from dual;

TRUNC(123.231,2)
-----
        123.23
```

EXP:

```
SQL> select exp (22) from dual;

EXP(22)
-----
3584912846
```

## Character Function

lower:

```
SQL> select lower ('AKSHAT') from dual;

LOWER(
-----
akshat
```

Upper:

```
SQL> select upper ('AKSHAT') from dual;

UPPER(
-----
AKSHAT
```

Initcap:

```
SQL> select initcap ('I AM AKSHAT') from dual;

INITCAP('IA
-----
I Am Akshat
```

Length:

```
SQL> select length ('hello i am Akshat') from dual;

LENGTH('HELLOIAMAKSHAT')
-----
17
```

Substr:

```
SQL> select substr (' hello i am student',6,15) from dual ;

SUBSTR('HELLOI
-----
o i am student
```

Concat:

```
SQL> select concat('hello everybody',' all good') from dual;

CONCAT('HELLOEVERYBODY',
-----
hello everybody all good
```

Instr:

```
SQL> select instr ('welcome my friend','m') from dual;

INSTR('WELCOMEMYFRIEND','M')
-----
                             6
```

Trim:

```
SQL> select trim ( both 'o' from 'good 939') from dual;

TRIM(BOTH
-----
good 939
```

Rtrim:

```
SQL> select rtrim ('hfd gdhg 939','3') from dual;

RTRIM('HFDGD
-----
hfd gdhg 939
```

Ltrim:

```
SQL> select ltrim('hfd gdhg 9390000000','3') from dual;

LTRIM('HFDGDHG939000
-----
hfd gdhg 9390000000
```

TRANSLATE:

```
SQL> select translate('123hublot','23','#$') from dual;

TRANSLATE
-----
1#$hublot
```

RPAD:

```
SQL> select rpad('well',10,'$') from dual;

RPAD('WELL
-----
well$$$$$$
```

LPAD:

```
SQL> select lpad('hello',4,'hii') from dual;

LPAD
----
hell
```

DATA FUNCTION:

SYSDATE:

```
SQL> select sysdate from dual
2   ;

SYSDATE
-----
27-FEB-21
```

NEXT\_DAY:

```
SQL> select next_day('24-feb-2021','sunday') "next_day" from dual;

next_day
-----
28-FEB-21
```

LAST\_DAY:

```
SQL> select sysdate,last_day(sysdate)"last",last_day(sysdate)-sysdate "days left" from dual;

SYSDATE    last        days left
-----
27-FEB-21  28-FEB-21         1
```

ADD\_MONTHS:

```
SQL> select add_months (sysdate,3) from dual;

ADD_MONTH
-----
27-MAY-21
```

MONTHS\_BETWEEN:

```
SQL> select months_between(date'2017-06-01',date'2017-01-01')month_diff from dual;

MONTH_DIFF
-----
5
```

SYSTIMESTAMP:

```
SQL> select systimestamp from dual;

SYSTIMESTAMP
-----
27-FEB-21 10.54.49.458000 PM +05:30
```

CURRENT\_DATE:

```
SQL> select current_date from dual;

CURRENT_D
-----
27-FEB-21
```