

NAME : AKSHAT CHUDASAMA

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(BOT  
-----  
good 939
```

Rtrim:

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

Ltrim:

```
SQL> select ltrim('hfd gdhg 93900000000','3') from dual;  
LTRIM('HFDGDHG939000  
-----  
hfd gdhg 93900000000
```

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,'hi') 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
```