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PRACTICAL NO.6

ROLL NO. 52 CLASS : FYCS

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('HELLO000') from dual;  
  
LOWER('H  
-----  
helloooo
```

Upper:

```
SQL> select upper('helloo') from dual;  
  
UPPER(  
-----  
HELLOO
```

Initcap:

```
SQL> select initcap('india is my country') from dual;  
  
INITCAP('INDIAISMYC  
-----  
India Is My Country
```

length:

```
SQL> select length('my is ts') from dual;  
  
LENGTH('MYISTS')  
-----  
8
```

substr:

```
SQL> select substr('i m a student stdying in nk clg',6,15) from dual;  
  
SUBSTR('IMASTUD  
-----  
student stdyin
```

concat:

```
SQL> select concat('wassup everybody','all good') from dual;  
  
CONCAT('WASSUPEVERYBODY'  
-----  
wassup everybodyall good
```

instr:

```
SQL> select instr('welcome to command line','m') from dual;
```

```
INSTR('WELCOMETOCOMMANDLINE','M')
```

```
-----  
6
```

Trim:

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

```
TRIM(BOTH'O'
```

```
-----  
good 939
```

Rtrim:

```
SQL> select rtrim(' dcvf 4dh3 939','3') from dual;
```

```
RTRIM('DCVF4DH39
```

```
-----  
dcvf 4dh3 939
```

LTRIM:

```
SQL> select ltrim(' dcvf 4dh3 939000000000000','3') from dual;
```

```
LTRIM('DCVF4DH3939000000000000
```

```
-----  
dcvf 4dh3 9390000000000000
```

TRANSLATE:

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

```
TRANSLATE
```

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

RPAD:

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

```
RPAD('WEL'
```

```
-----  
wel$$$$$$$
```

LPAD:

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

```
LPAD
```

```
----  
hell
```

Date Function

SYSDATE:

```
SQL> select sysdate from dual;
```

```
SYSDATE
-----
22-FEB-21
```

NEXT_DAY:

```
SQL> select next_day('02-feb-2001','tuesday') "next day" from dual;
```

```
next day
-----
06-FEB-01
```

LAST_DAY:

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

```
SYSDATE    last        days left
-----
22-FEB-21 28-FEB-21         6
```

ADD_MONTHS:

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

```
ADD_MONTH
-----
22-MAY-21
```

MONTHS_BETWEEN:

```
SQL> select months_between( date '2017-07-01', date '2017-01-01' ) month_diff from dual;
```

```
MONTH_DIFF
-----
6
```

SYSTIMESTAMP:

```
SQL> select systimestamp from dual;
```

```
SYSTIMESTAMP
-----
22-FEB-21 11.38.05.508000 PM +05:30
```

CURRENT_DATE:

```
SQL> select current_date from dual;
```

```
CURRENT_D
-----
22-FEB-21
```