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Roll no: 50

Class: FYCS

PRACTICAL 6

Numeric

Abs

```
SQL> select abs(-9) from dual;

      ABS(-9)
-----
           9
```

Ceil

```
SQL> select Ceil(12.6) from dual;

      CEIL(12.6)
-----
            13
```

Floor

```
SQL> select Floor(12.6) from dual;

      FLOOR(12.6)
-----
            12
```

SQRT

```
SQL> select SQRT(12) from dual;

      SQRT(12)
-----
  3.46410162
```

MOD

```
SQL> select MOD(18,4) from dual;

MOD(18,4)
-----
         2
```

ROUND

```
SQL> select round(135.45,2) from dual;

ROUND(135.45,2)
-----
        135.45

SQL> select round(135.45,0) from dual;

ROUND(135.45,0)
-----
        135

SQL> select round(135.45,-1) from dual;

ROUND(135.45,-1)
-----
       140
```

REMAINDER

```
SQL> select remainder(4,2) from dual;

REMAINDER(4,2)
-----
         0
```

POWER

```
SQL> select power(4,2) from dual;

POWER(4,2)
-----
       16
```

TRUNC

```
SQL> select trunc(134.346566,2) from dual;

TRUNC(134.346566,2)
-----
                134.34
```

EXP

```
SQL> select exp(2) from dual;

      EXP(2)
-----
    7.3890561
```

Character

Lower,

```
SQL> select lower('SurABHI salUNKE') from dual;

LOWER( 'SURABHIS
-----
surabhi salunke
```

Upper,

```
SQL> select upper('SurABHI salUNKE') from dual;

UPPER( 'SURABHIS
-----
SURABHI SALUNKE
```

Initcap,

```
SQL> select initcap('SurABHI salUNKE') from dual;

INITCAP('SURABH
-----
Surabhi Salunke
```

Length,

```
SQL> select length('SurABHI salUNKE') from dual;

LENGTH('SURABHISALUNKE')
-----
                        15
```

Substr,

```
SQL> select substr('SurABHI salUNKE',6,8) from dual;

SUBSTR('
-----
HI salUN
```

Concat,

```
SQL> select concat('SurABHI salUNKE',' is dumb') from dual;

CONCAT('SURABHISALUNKE'
-----
SurABHI salUNKE is dumb
```

Instr,

```
SQL> select instr('SurABHI salUNKE', 'sa') from dual;

INSTR('SURABHISALUNKE','SA')
-----
                        9
```

Trim,

```
SQL> select trim(leading '1' from 111234561111) from dual;

TRIM(LEAD
-----
234561111

SQL> select trim(trailing '1' from 111234561111) from dual;

TRIM(TRA
-----
11123456

SQL> select trim('1' from 111234561111) from dual;

TRIM(
-----
23456
```

RTRIM,

```
SQL> select Rtrim( 1234 ) from dual;

RTRI
----
1234
```

LTRIM,

```
SQL> select Ltrim(1234   ) from dual;

LTRIM
-----
1234
```

TRANSLATE

```
SQL> select translate('123hello','12','@#') from dual;

TRANSLAT
-----
@#3hello
```

,REPLACE,

```
SQL> select replace('123hello','12','@#') from dual;

REPLACE(
-----
@#3hello
```

RPAD,

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

RPAD( 'WEL '
-----
wel$$$$$$$
```

LPAD

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

LPAD( 'WEL '
-----
$$$$$$wel
```

Date Function

SYSDATE

```
SQL> select sysdate from dual;

SYSDATE
-----
23-FEB-21
```

,NEXT_DAY

```
SQL> select next_day(sysdate,'saturday') from dual;

NEXT_DAY(
-----
27-FEB-21
```

,LAST_DAY,

```
SQL> SELECT SYSDATE,  
2      LAST_DAY(SYSDATE) "Last",  
3      LAST_DAY(SYSDATE) - SYSDATE "Days Left"  
4      FROM DUAL;  
  
SYSDATE      Last      Days Left  
-----  
22-FEB-21 28-FEB-21      6
```

ADD_MONTHS,

```
SQL> select add_months(hiredate,1) from surabhii_EMP;  
  
ADD_MONTH  
-----  
17-DEC-81  
01-JUN-81  
09-JUL-81  
02-MAY-81  
19-MAY-87  
03-JAN-82  
17-JAN-81  
20-MAR-81  
22-MAR-81  
28-OCT-81  
08-OCT-81  
23-JUN-87  
03-JAN-82  
23-FEB-82  
  
14 rows selected.
```

MONTHS_BETWEEN,

```
SQL> select months_between('22-dec-21',sysdate) from dual;  
  
MONTHS_BETWEEN('22-DEC-21',SYSDATE)  
-----  
9.96747386
```


SYSTIMESTAMP,

```
SQL> select systimestamp from dual;

SYSTIMESTAMP
-----
23-FEB-21 12.10.18.110000 AM +05:30
```

CURRENT_DATE

```
SQL> select current_date from dual;

CURRENT_D
-----
23-FEB-21
```