

**NAME: AANGI KHANDHAR**

**ROLL NO:23**

**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
```

**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

SQL>

```

## EXP

```

SQL> select exp(2) from dual;

EXP(2)
-----
 7.3890561

```

## Character

Lower,

```
SQL> select lower('AAngI KhandHar') from dual;

LOWER('AANGIKH
-----
aangi khandhar
```

Upper

```
SQL> select upper('AAngI KhandHar') from dual;

UPPER('AANGIKH
-----
AANGI KHANDHAR
```

Initcap

```
SQL> select initcap('AAngI KhandHar') from dual;

INITCAP('AANGI
-----
Aangi Khandhar
```

Length

```
SQL> select length('AAngI KhandHar') from dual;

LENGTH('AANGIKHANDHAR')
-----
14
```

Substr

```
SQL> select substr('AAngI KhandHar',6,8) from dual;

SUBSTR('
-----
KhandHa
```

Concat

```
SQL> select concat('AAngI KhandHar','is cool') from dual;

CONCAT('AANGIKHANDHAR
-----
AAngI KhandHaris cool
```

## Instr

```
SQL> select instr('AAngI KhandHar','sa') from dual;

INSTR('AANGIKHANDHAR','SA')
-----
                                0
```

## Trim

```
SQL> select trim(leading '1' from 11123456111) from dual;

TRIM(LEA
-----
23456111

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('23aangi','23') from dual;

LTRIM
-----
aangi
```

## Translate

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

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

## Replace

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

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

## RPAD

```
SQL> select rpad('aangi khandhar',23) from dual;

RPAD('AANGIKHANDHAR',23
-----
aangi khandhar
```

## LPAD

```
SQL> select lpad('page 1',20,'*.') "lpad aangi" from dual;

lpad aangi
-----
*.*.*.*.*.*.*.page 1
```

## Date Function

### SYSDATE

```
SQL> select sysdate from dual;

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

## Next day

```
SQL> select next_day(sysdate,'satrday') 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
-----
23-FEB-21 28-FEB-21          5
```

## Add months

```
SQL> select add_months(hiredate,1) from aangii_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
```

```
ADD_MONTH
```

```
-----
23-JUN-87
03-JAN-82
23-FEB-82
```

```
14 rows selected.
```

## Months between

```
SQL> select months_between(date '2012-07-01', date '2012-01-01' ) month_diff from dual;
```

```
MONTH_DIFF
```

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

## Systime stamp

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

```
SYSTIMESTAMP
```

```
-----
23-FEB-21 12.17.23.564000 AM +05:30
```

Current date

```
SQL> select trunc(current_date) from dual;  
  
TRUNC(CUR  
-----  
23-FEB-21
```