

Name: Aadil Khan

Roll No: 20

FYCS

Practical No: 6

Numeric Functions Absolute(Abs):

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

Ceil:

```
SQL> select ceil(15.62) from dual;  
  
CEIL(15.62)  
-----  
         16
```

Floor:

```
SQL> select floor(15.62) from dual;  
  
FLOOR(15.62)  
-----  
         15
```

SQRT:

```
SQL> select sqrt(6699) from dual;  
  
SQRT(6699)  
-----  
 81.847419
```

Mod:

```
SQL> select mod(-69,4) from dual;  
MOD(-69,4)  
-----  
          -1
```

Round:

```
SQL> select round(12.30)from dual;  
ROUND(12.30)  
-----  
          12  
  
SQL> select round(10.6969,2)from dual;  
ROUND(10.6969,2)  
-----  
         10.7  
  
SQL> select round(10.6969,-2)from dual;  
ROUND(10.6969,-2)  
-----  
          0
```

Remainder:

```
SQL> select remainder(69,7)from dual;  
REMAINDER(69,7)  
-----  
          -1
```

Power;

```
SQL> select power(69,3)from dual;  
POWER(69,3)  
-----  
       328509
```

Trunc:

```
SQL> select trunc(699.966,3)from dual;

TRUNC(699.966,3)
-----
          699.966
```

EXP:

```
SQL> select exp(69)from dual;

EXP(69)
-----
9.2538E+29
```

Character Function

Lower:

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

LOWER(
-----
wassup
```

Upper:

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

UPPER(
-----
WASSUP
```

Initcap:

```
SQL> select initcap('linkin park') from dual;

INITCAP('LI
-----
Linkin Park
```

Length;

```
SQL> select length('Linkin park')from dual;
LENGTH('LINKINPARK')
-----
11
```

Substr:

```
SQL> select substr('I am a gamer',2,6)from dual;
SUBSTR
-----
am a
```

Concat:

```
SQL> select concat('CS','GO')from dual;
CONC
-----
CSGO
```

Instr:

```
SQL> select instr('Counter Strike','t')from dual;
INSTR('COUNTERSTRIKE','T')
-----
5
```

Trim:

```
SQL> select trim(both'a'from'aadil')from dual;
TRI
---
dil
```

Rtrim:

```
SQL> select rtrim('aadil','khan')from dual;  
RTRIM  
-----  
aadil
```

Ltrim:

```
SQL> select ltrim('aadil','khan')from dual;  
LTR  
----  
dil
```

Translate:

```
SQL> select translate('XD123','XD',':P')from dual;  
TRANS  
-----  
:P123
```

Rpad:

```
SQL> select rpad('F',4,'*')from dual;  
RPAD  
----  
F***
```

Lpad:

```
SQL> select lpad('F',4,'*')from dual;  
LPAD  
----  
***F
```

Date function

Sysdate:

```
SQL> select sysdate from dual;

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

Nexr_day:

```
SQL> select next_day('19-Nov-2001','Monday') "next day" from dual;

next day
-----
26-NOV-01
```

Last_day:

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

SYSDATE      last          days left
-----
23-FEB-21 28-FEB-21          5
```

Add months:

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

ADD_MONTH
-----
23-MAY-21
```

Months Between:

```
SQL> select months_between(date '2022-06-03',date'2022-08-03')month_diff from dual;

MONTH_DIFF
-----
-2
```

Systimestamp:

```
SQL> select systimestamp from dual;  
SYSTIMESTAMP  
-----  
23-FEB-21 11.11.34.096000 PM +05:30
```

Current date:

```
SQL> select current_date from dual;  
CURRENT_D  
-----  
23-FEB-21
```