PRACTICAL 6

Numeric

Abs

```
Select Run SQL Command Line                                    —  □  ×
SQL> select abs(-9) from dual;

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

SQL>
```

Ceil

```
Run SQL Command Line                                           —  □  ×
SQL> select Ceil(12.6) from dual;

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

SQL>
```

Floor

```
Run SQL Command Line                                           —  □  ×
SQL> select Floor(12.6) from dual;

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

SQL>
```

SQRT

```
Run SQL Command Line                                           —  □  ×
SQL> select SQRT(12) from dual;

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

SQL>
```

MOD

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

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

SQL>
```

ROUND

```
SQL> select round(248.45,2) from dual;

ROUND(248.45,2)
---------------
         248.45

SQL> select round(248.45,0) from dual;

ROUND(248.45,0)
---------------
            248

SQL> select round(248.45,-1) from dual;

ROUND(248.45,-1)
---------------
            250

SQL>
```

REMAINDER

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

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

SQL>
```

POWER

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

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

SQL>
```

TRUNC

```
Run SQL Command Line                                          —    □    ×
SQL> select trunc(123.98567,2) from dual;

TRUNC(123.98567,2)
------------------
            123.98

SQL>
```

EXP

```
Run SQL Command Line                                          —    □    ×
SQL> select exp(2) from dual;

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

SQL>
```

Character

Lower,

```
Run SQL Command Line                                          —    □    ×
SQL> select lower('JOvial ALMEIda') from dual;

LOWER('JOVIALA
--------------
jovial almeida

SQL>
```

Upper,

```
Run SQL Command Line                                          —    □    ×
SQL> select upper('JOvial ALMEIda') from dual;

UPPER('JOVIALA
--------------
JOVIAL ALMEIDA

SQL>
```

Initcap,

```
SQL> select initcap('JOvial ALMEIda') from dual;

INITCAP('JOVIA
--------------
Jovial Almeida

SQL>
```

Length,

```
SQL> select length('JOvial ALMEIda') from dual;

LENGTH('JOVIALALMEIDA')
-----------------------
                     14

SQL>
```

Substr,

```
SQL> select substr('JOvial ALMEIda',2,6) from dual;

SUBSTR
------
Ovial

SQL>
```

Concat,

```
SQL> select concat('JOvial ALMEIda',' is very smart') from dual;

CONCAT('JOVIALALMEIDA','ISVE
----------------------------
JOvial ALMEIda is very smart

SQL>
```

Instr,

```
SQL> select instr('JOvial ALMEIda','al') from dual;

INSTR('JOVIALALMEIDA','AL')
---------------------------
                          5

SQL>
```

Trim,


```
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

SQL>
```

RTRIM,


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

RTRI
----
1234

SQL>
```

LTRIM,

TRANSLATE

,REPLACE,

RPAD,

```
Run SQL Command Line                                    —    □    ×

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

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

LPAD

```
Run SQL Command Line                                    —    □    ×

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

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

SQL>
```

Date Function

SYSDATE

```
Run SQL Command Line                                    —    □    ×

SQL> select sysdate from dual;

SYSDATE
---------
01-MAR-21

SQL>
```
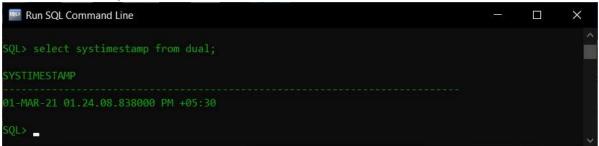
,NEXT_DAY

```
Run SQL Command Line                                    —    □    ×

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

NEXT_DAY(
---------
02-MAR-21

SQL>
```

,LAST_DAY,

```
Run SQL Command Line                                          —    □    ×

SQL> SELECT SYSDATE,
  2  LAST_DAY(SYSDATE) "Last",
  3  LAST_DAY(SYSDATE) - SYSDATE "Days Left"
  4  FROM DUAL;

SYSDATE    Last       Days Left
---------  ---------  ----------
01-MAR-21  31-MAR-21         30
```

ADD_MONTHS,

```
Run SQL Command Line                                          —    □    ×

SQL> select add_months(hiredate,1) from 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.

SQL>
```

MONTHS_BETWEEN,

```
Run SQL Command Line                                          —    □    ×

SQL> select months_between('22-dec-21', sysdate) from dual;

MONTHS_BETWEEN('22-DEC-21',SYSDATE)
-----------------------------------
                         9.65942167

SQL>
```

SYSTIMESTAMP,

CURRENT_DATE