PRACTICAL 6

Numeric

Abs

Ceil

Floor

SQRT

MOD

```
Run SQL Command Line                                    —    □    ×

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

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

SQL>
```

ROUND

```
Run SQL Command Line                                    —    □    ×

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

```
Run SQL Command Line                                    —    □    ×

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

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

SQL>
```

POWER

```
Run SQL Command Line                                    —    □    ×

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

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

SQL>
```

TRUNC

```
SQL> select trunc(123.98567,2) from dual;

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

SQL>
```

EXP

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

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

SQL>
```

Character

Lower,

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

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

SQL>
```

Upper,

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

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

SQL>
```

Initcap,

Length,

Substr,

Concat,

Instr,

```
Run SQL Command Line                                    —    □    ✕

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

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

SQL>
```

Trim,

```
Run SQL Command Line                                    —    □    ✕

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>
```
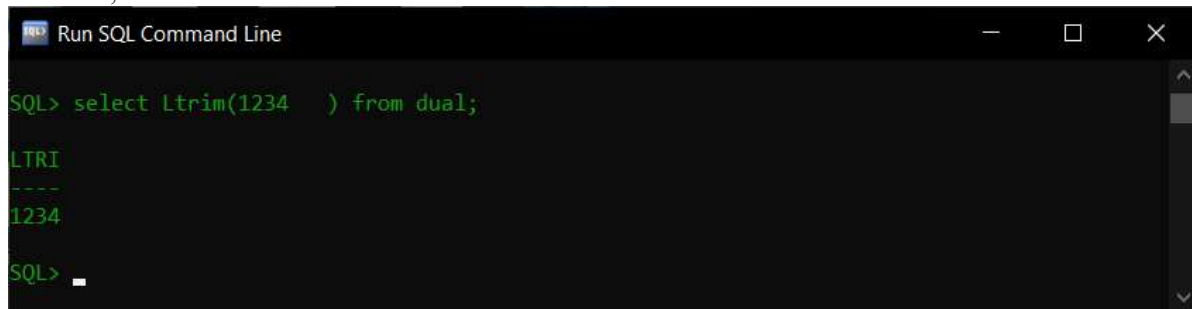
RTRIM,

```
Run SQL Command Line                                    —    □    ✕

SQL> select Rtrim(    1234    ) from dual;

RTRI
----
1234

SQL>
```

LTRIM,

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

LTRI
----
1234

SQL>
```

TRANSLATE

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

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

SQL>
```

,REPLACE,

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

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

SQL>
```

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,

```
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,

```
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>
```
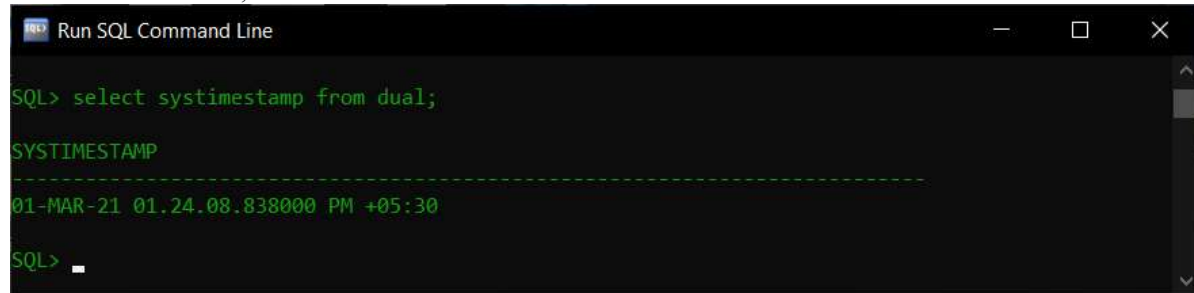
MONTHS_BETWEEN,

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

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

SQL>
```

SYSTIMESTAMP,

```
Run SQL Command Line                                    —    □    ×

SQL> select systimestamp from dual;

SYSTIMESTAMP
-----------------------------------------------------------------
01-MAR-21 01.24.08.838000 PM +05:30

SQL>
```

CURRENT DATE

```
Run SQL Command Line                                    —    □    ×

SQL> select current_date from dual;

CURRENT_D
---------
01-MAR-21

SQL>
```