SINGLE ROW FUNCTIONS

1) Numeric

Abs: ‘ABSOLUTE’-gives you the positive number in return

```
SQL> select abs(5) from dual;

    ABS(5)
----------
         5

SQL> select abs(-5) from dual;

   ABS(-5)
----------
         5

SQL>
```

Ceil :-gives you the greater whole number of the given specified number

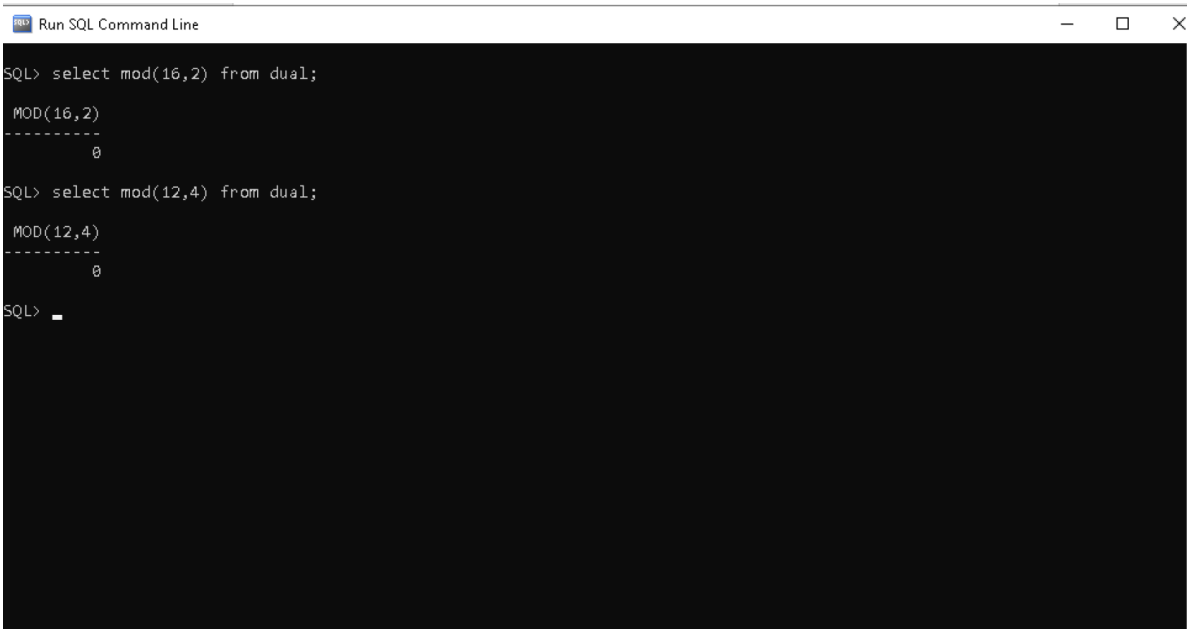
```
Run SQL Command Line
SQL> select ceil(12) from dual;

  CEIL(12)
----------
        12

SQL> select ceil(12.56) from dual;

CEIL(12.56)
-----------
         13

SQL>
```

Floor:-gives you the smaller whole number of the given specified number

CEIL and FLOOR specially works on decimal numbers

SQRT: 'SQUARE ROOT'-gives you the square root of a given number

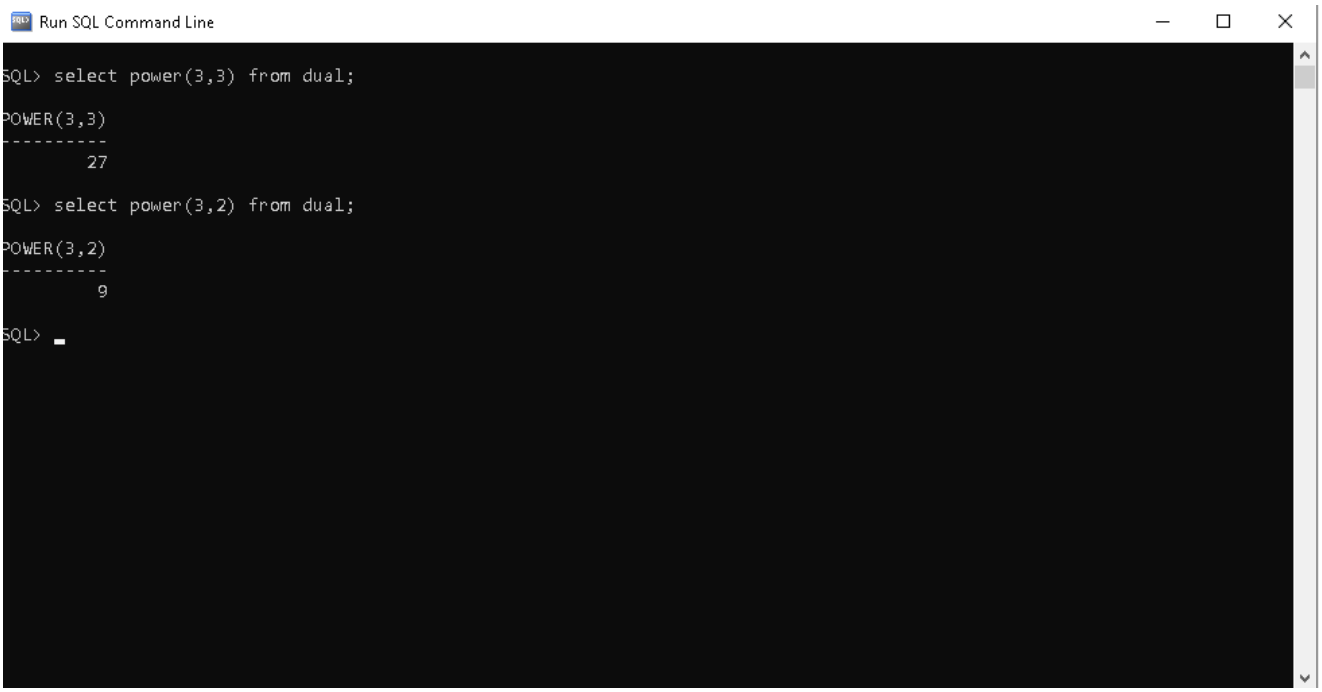
MOD:-gives the remainder of the given numbers and it takes two parameters



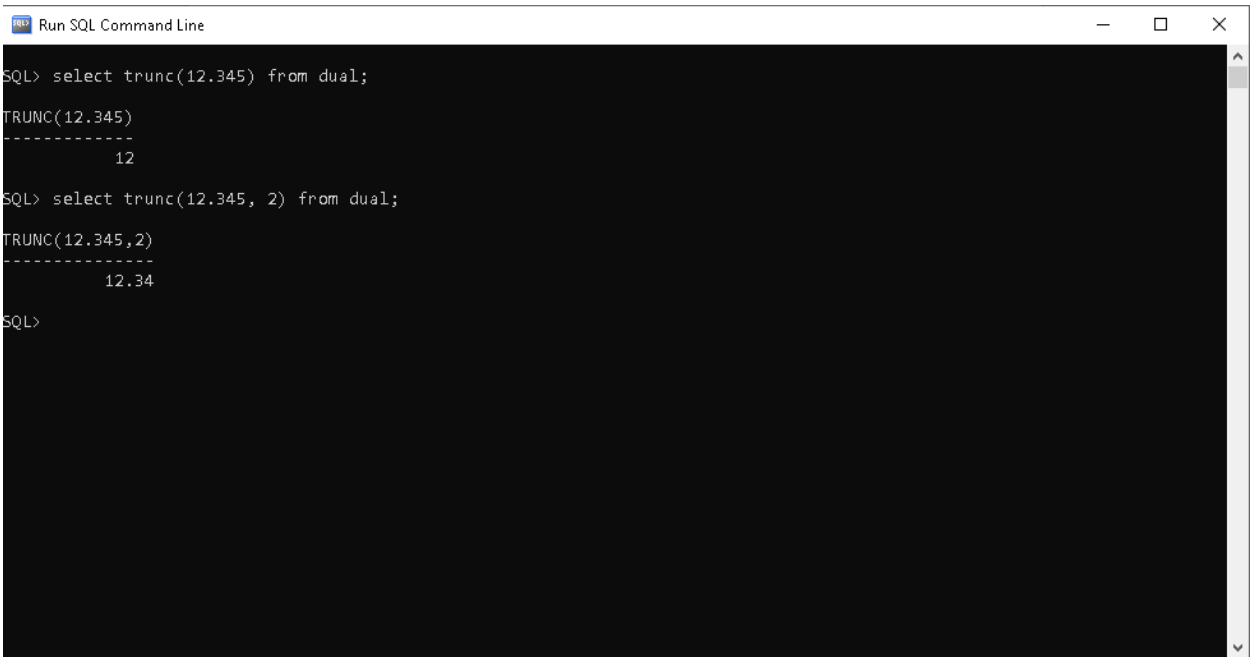
ROUND:-gives you the round off of the number

REMAIDER: gives the remainder of the given numbers and it takes two parameters

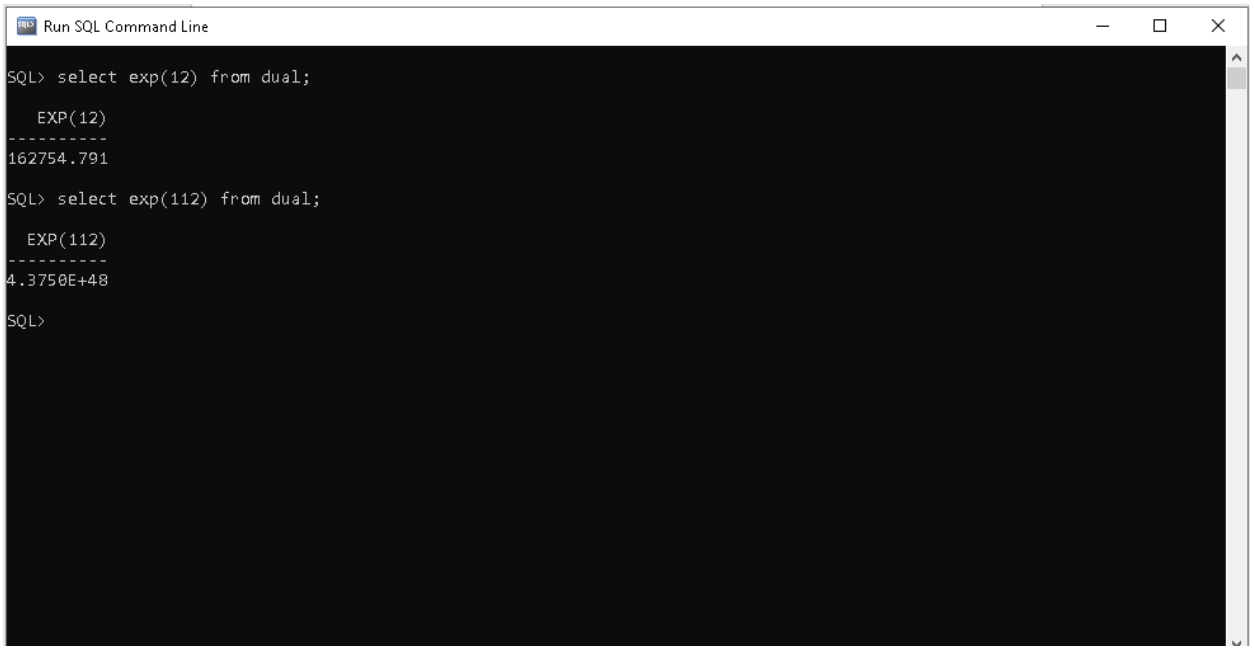
POWER: gives you the power of the given number



TRUNC: ‘TRUNCET’-eliminate the values after decimal



EXP: gives you the exponentional of the number



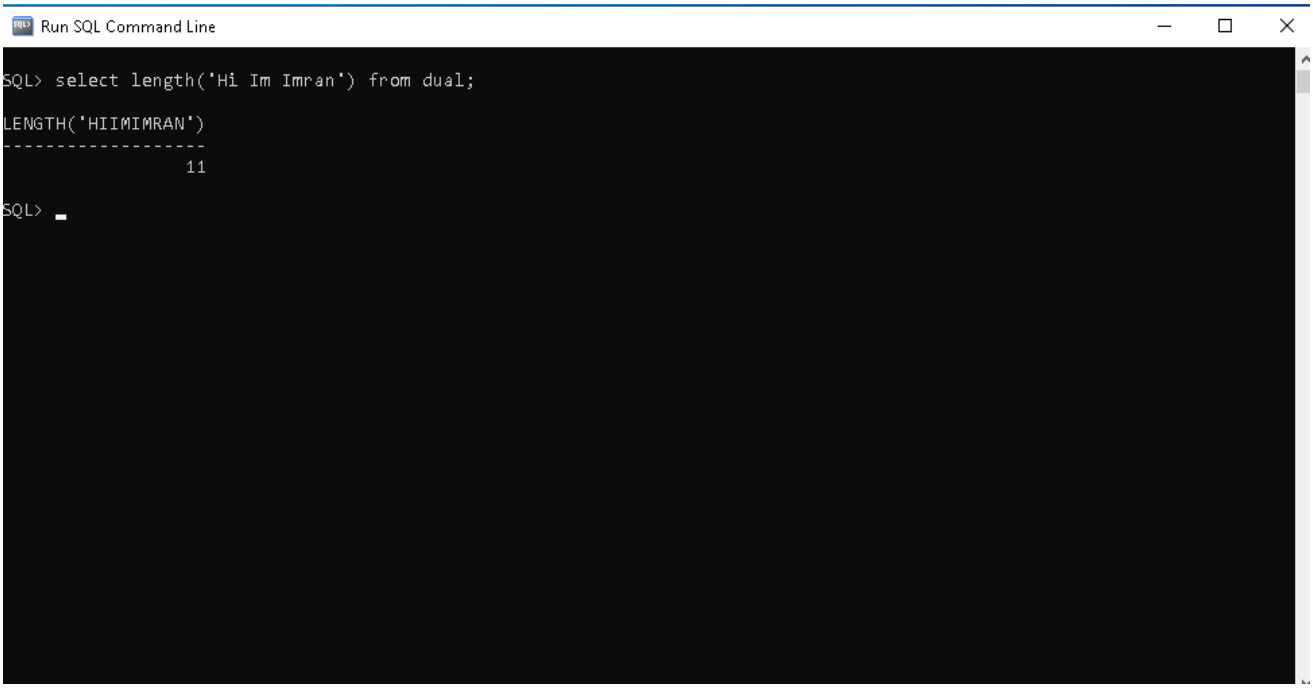
2) Character

Lower: makes the string to lowercase

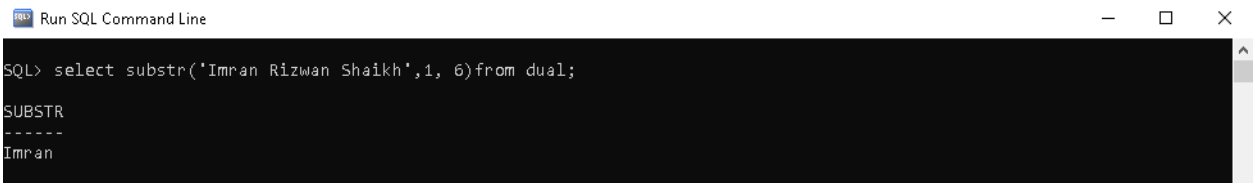
Upper : makes the string to uppercase

Initcap: makes the first letter capital

Length: display the total length of the given string



Substr: takes three parameters and display specific string part



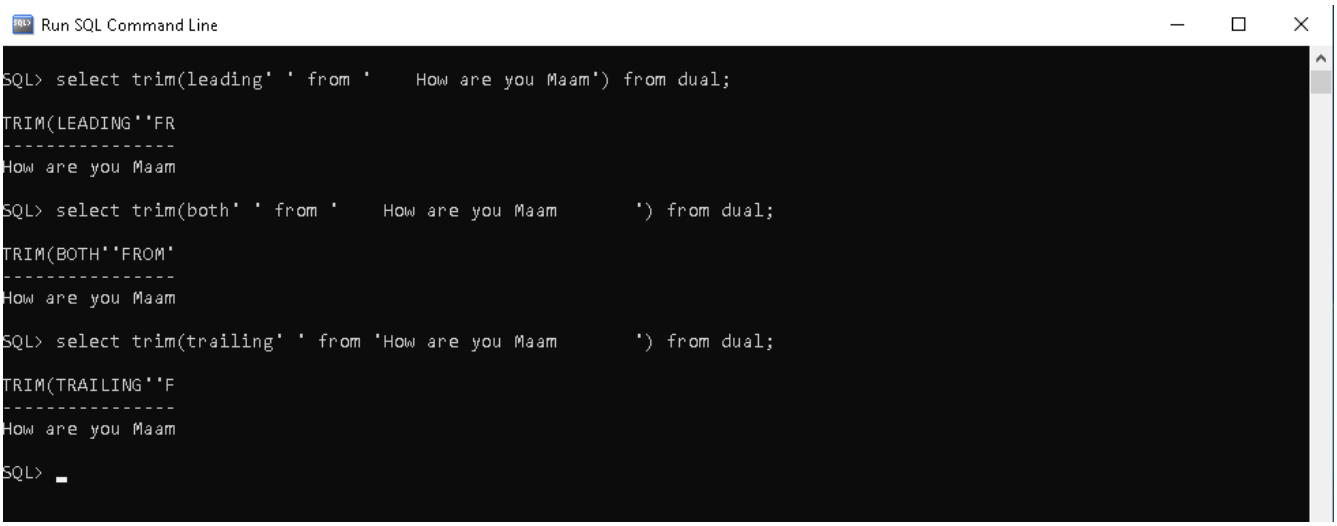
Concat: used to joins the given different string

```
SQL> select concat('How are you','  Maam') from dual;

CONCAT('HOWAREYOU
-----------------
How are you  Maam
```

Instr: used to finds the given word in string

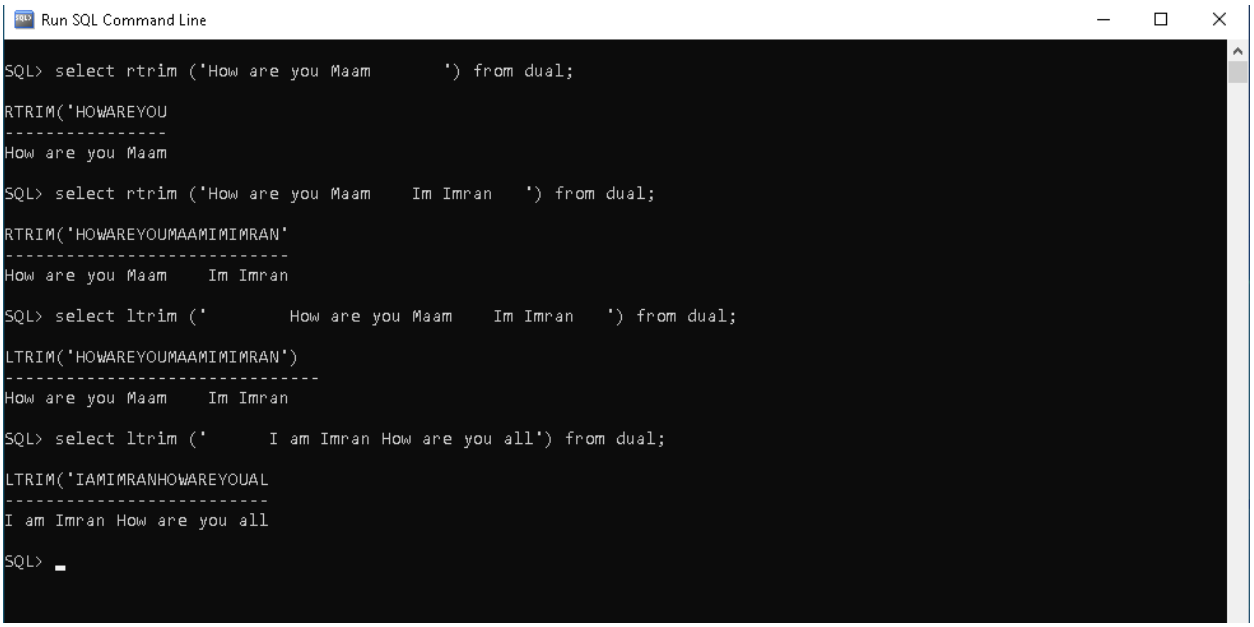
```
SQL> select instr('How are you Maam','are') from dual;

INSTR('HOWAREYOUMAAM','ARE')
----------------------------
                           5
```

Trim: reduces the spaces in the string



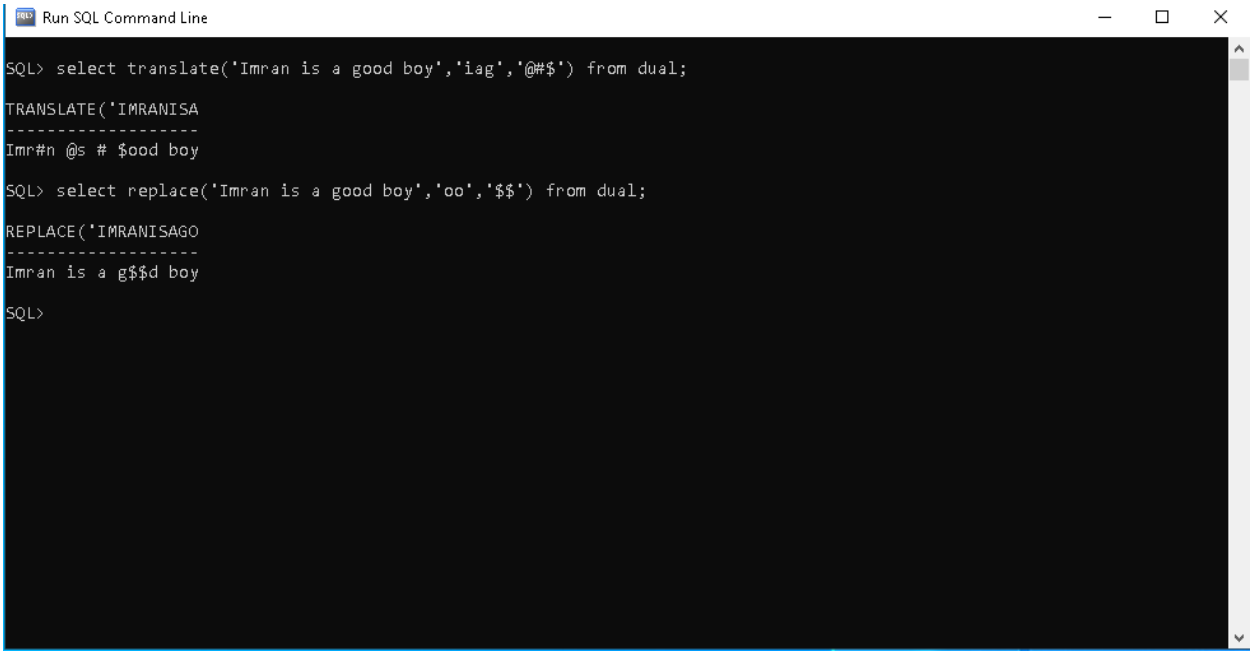
RTRIM: reduces the spaces in the string from right

LTRIM: reduces the spaces in the string from left



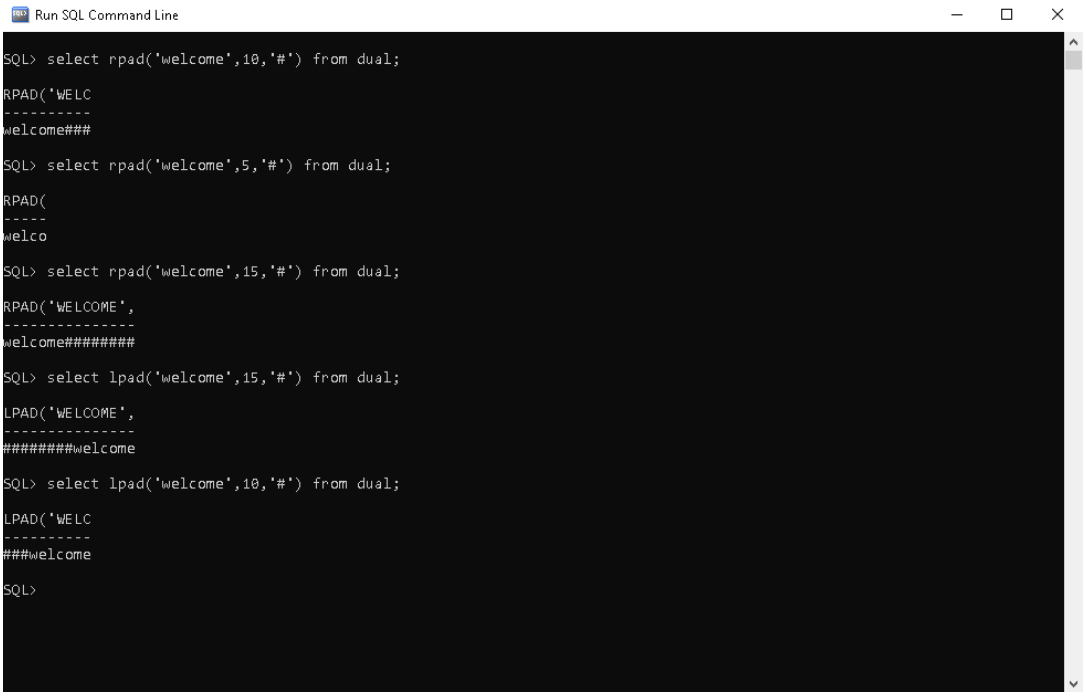
TRANSLATE: used to change the letter by new letter

REPLACE: used to replace the whole word



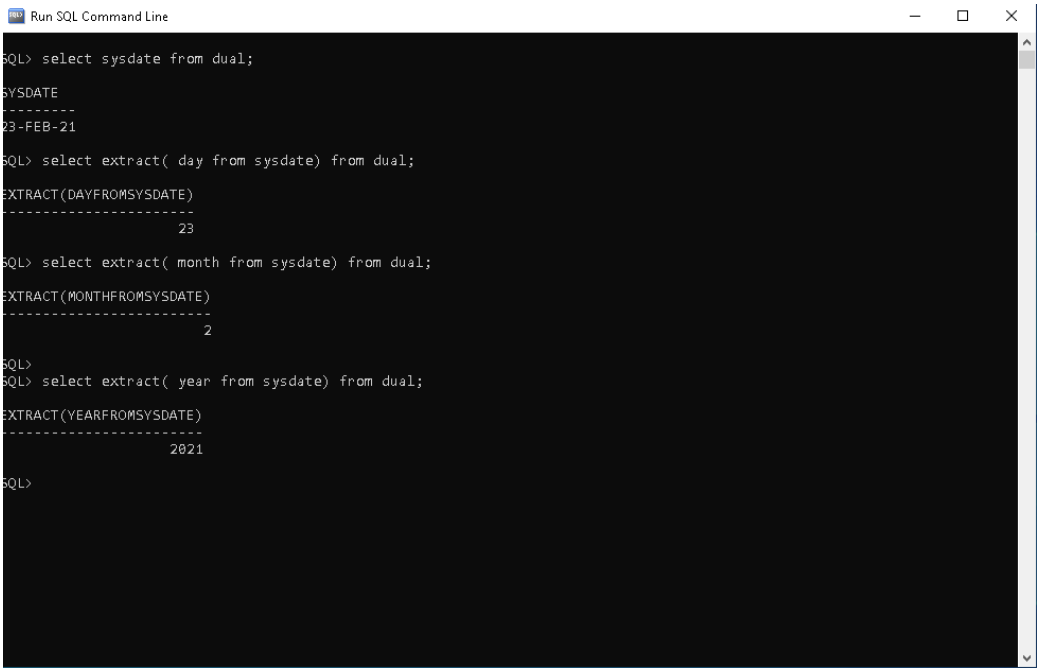
RPAD: use to give space using symbols toward right

LPAD: use to give space using symbols towards left

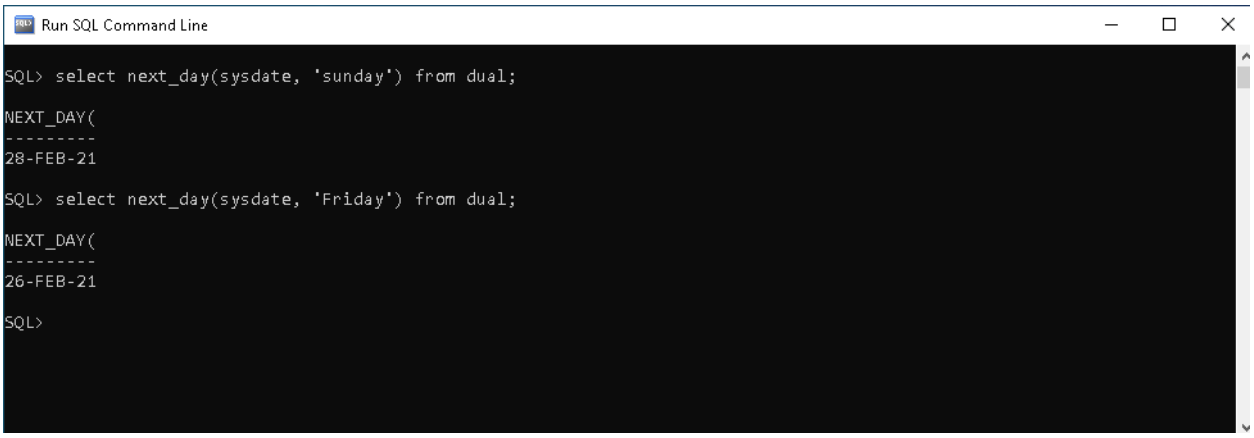


3) Date Function

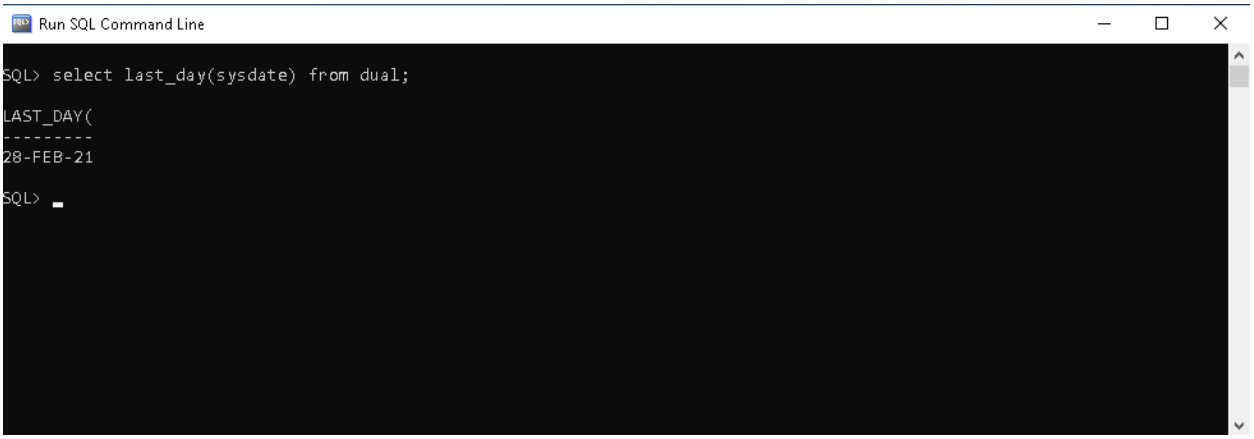
SYSDATE: display the current date



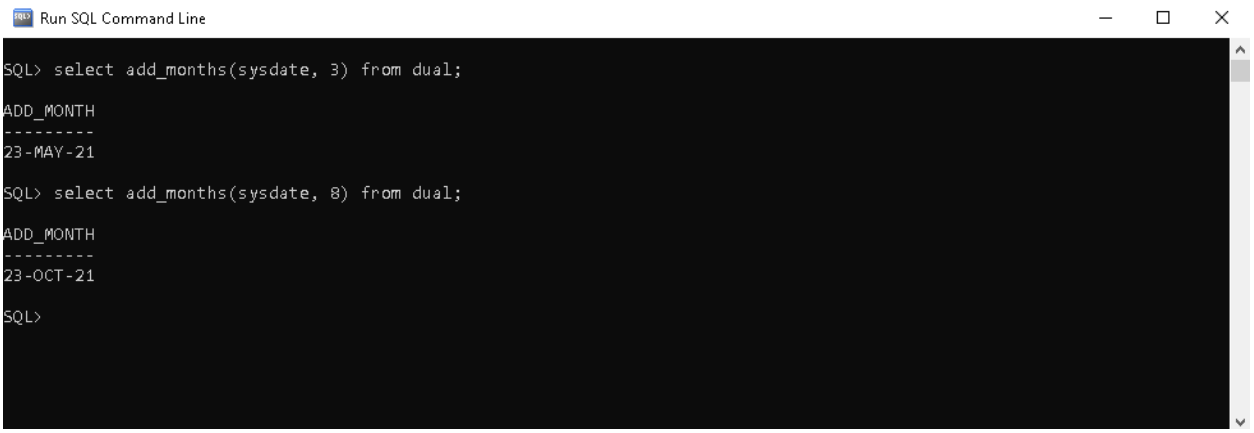
NEXT_DAY: used to find next days



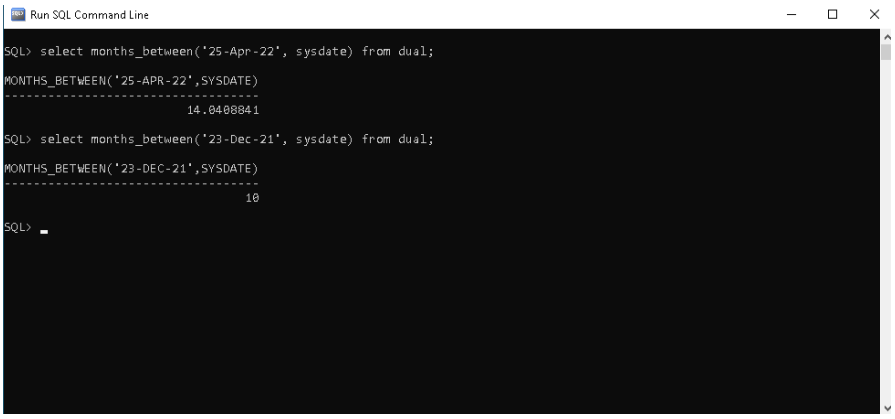
LAST_DAY: used to find last day



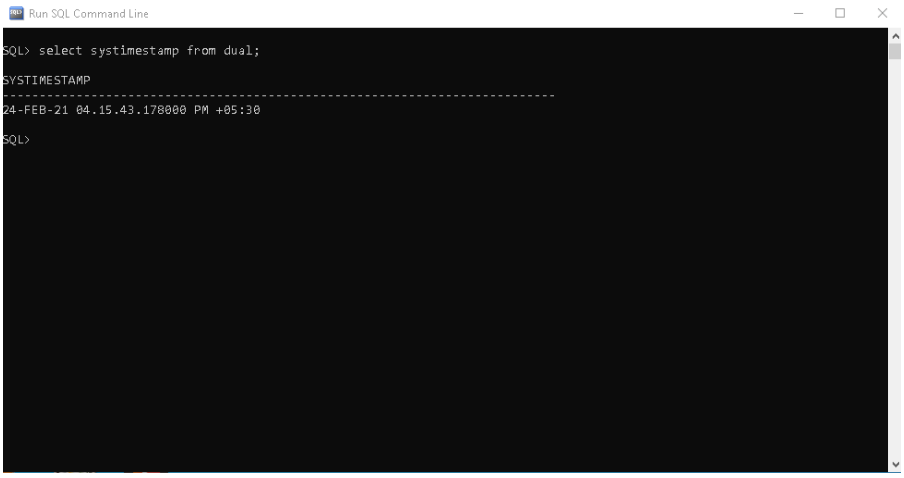
ADD_MONTHS: used to increase the months



MONTHS_BETWEEN: used to find number of months between two dates



SYSTIMESTAMP: used to set time format



CURRENT_DATE: used to know current date