

PRACTICAL 6

Numeric

Abs

```
SQL> select abs(-9) from dual;

ABS(-9)
-----
      9

SQL>
```

Ceil

```
SQL> select Ceil(12.6) from dual;

CEIL(12.6)
-----
      13

SQL>
```

Floor

```
SQL> select Floor(12.6) from dual;

FLOOR(12.6)
-----
      12

SQL>
```

SQRT

```
SQL> select SQRT(12) from dual;

SQRT(12)
-----
3.46410162

SQL>
```

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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>
```

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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> _
```

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Initcap,

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

INITCAP('JOVIA
-----
JOvial Almeida

SQL>
```

Length,

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

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

SQL>
```

Substr,

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

SUBSTR
-----
Ovial

SQL>
```

Concat,

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

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

SQL>
```

Instr,

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```
Run SQL Command Line
SQL> select instr('JOvial ALMEIda','aI') 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

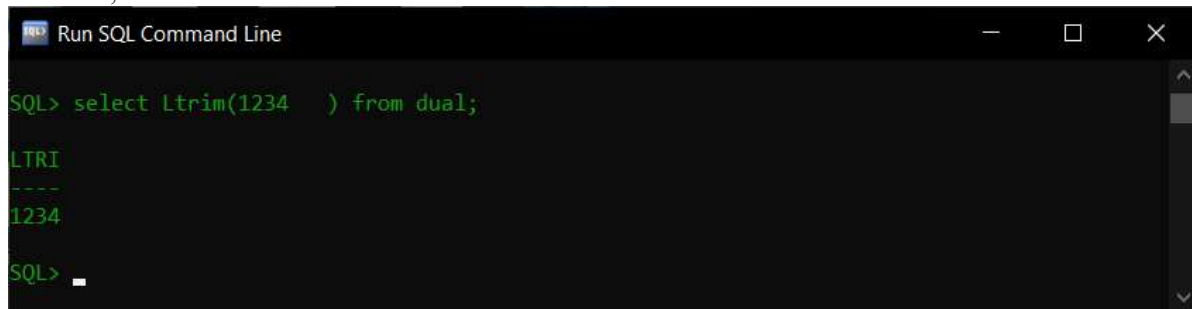
SQL> select Rtrim(    1234    ) from dual;

RTRI
-----
1234

SQL> _
```

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LTRIM,



```
Run SQL Command Line

SQL> select Ltrim(1234  ) from dual;

LTRIM
-----
1234
SQL>
```

TRANSLATE



```
Run SQL Command Line

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

TRANSLAT
-----
@#3hello
SQL>
```

,REPLACE,



```
Run SQL Command Line

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

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

RPAD,

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```
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>
```

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,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

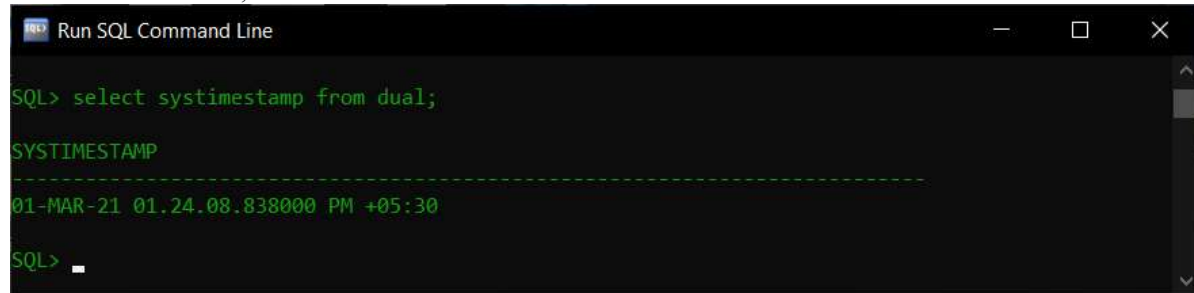
SQL> select months_between('22-dec-21', sysdate) from dual;

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

SQL> _
```


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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> _
```