

FYCS

Numeric Functions

SQL Worksheet

4

SQL Worksheet

13

Floor:

SQL Worksheet

```
1 select floor(12.30) from dual;
```

FLOOR(12.30)
12

SQRT:

SQL Worksheet

```
1 select sqrt(3397) from dual;
```

SQRT(3397)
58.28378848359121550352506504744663102512

MOD:

SQL Worksheet

```
1 select mod(-34,3) from dual;
```

MOD(-34,3)
-1

ROUND:

SQL Worksheet

```
1 select round(12.30) from dual;
```

ROUND(12.30)

12

SQL Worksheet

```
1 select round(10.379,2) from dual;
```

ROUND(10.379,2)

10.38

SQL Worksheet

```
1 select round(10.379,-2) from dual;
```

ROUND(10.379,-2)

0

REMAINDER:

SQL Worksheet

```
1 select remainder (23,2) from dual;
```

REMAINDER(23,2)

-1

POWER:

SQL Worksheet

```
1 select power(27,3) from dual;
```

POWER(27,3)

19683

TRUNC:

SQL Worksheet

```
1 select trunc(123.231,2) from dual;
```

TRUNC(123.231,2)

123.23

EXP:

SQL Worksheet

```
1 select exp(22) from dual;
```

EXP(22)
3584912846.131591561681159945978420689326

Character Funtion

lower:

SQL Worksheet

```
1 select lower('DEV') from dual;
```

LOWER('DEV')
dev

Upper:

SQL Worksheet

```
1 select upper('dev') from dual;
```

UPPER('DEV')
DEV

Initcap:

SQL Worksheet

```
1 select initcap('i am dev ') from dual;
```

INITCAP('IAMDEV')

I Am Dev

Length:

SQL Worksheet

```
1 select length('hello i am dev ') from dual;
```

LENGTH('HELLOIAMDEV')

16

Substr:

SQL Worksheet

```
1 select substr('hello i am student',6,15 ) from dual;
```

SUBSTR('HELLOIAMSTUDENT',6,15)

i am student

Concat:

SQL Worksheet

```
1 select concat('hello everybody','all good' ) from dual;
```

CONCAT('HELLOEVERYBODY','ALLGOOD')

hello everybodyall good

Instr:

SQL Worksheet

```
1 select instr('welcome my friend','m' ) from dual;
```

INSTR('WELCOMEMYFRIEND','M')

6

Trim:

SQL Worksheet

```
1 select trim(both'o'from'good 939' ) from dual;
```

TRIM(BOTH'O'FROM'GOOD939')

good 939

Rtrim:

SQL Worksheet

```
1 select rtrim('hfd gdhg 939','3' ) from dual;
```

RTRIM('HFDGDHG939','3')

hfd gdhg 939

Ltrim:

SQL Worksheet

```
1 select ltrim('hfd gdhg 93900000000','3' ) from dual;
```

LTRIM('HFDGDHG93900000000','3')

hfd gdhg 93900000000

TRANSLATE:

SQL Worksheet

```
1 select translate('123hublot','23','#$' ) from dual;
```

TRANSLATE('123HUBLOT','23','#\$')

1#\$hublot

RPAD:

SQL Worksheet

```
1 select rpad('well',10,'$') from dual;
```

RPAD('WELL',10,'\$')
well\$\$\$\$\$\$

LPAD:

SQL Worksheet

```
1 select lpad('hello',4,'hii') from dual;
```

LPAD('HELLO',4,'HII')
hell

DATA FUNCTION:

SYSDATE:

SQL Worksheet

```
1 select sysdate from dual;
```

SYSDATE
23-FEB-21

NEXT_DAY:

SQL Worksheet

```
1 select next_day('24-feb-2021','wednesday') "next_day" from dual;
```

next_day
03-MAR-21

LAST_DAY:

SQL Worksheet

```
1 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 Worksheet

```
1 select add_months ((sysdate,3) from dual;
```

ADD_MONTHS(SYSDATE,3)
23-MAY-21

MONTHS_BETWEEN:

SQL Worksheet

```
1 select months_between(date'2017-06-01',date'2017-01-01')month_diff from dual;
```

MONTH_DIFF
5

SYSTIMESTAMP:

SQL Worksheet

```
1 select systimestamp from dual;
```

SYSTIMESTAMP
23-FEB-21 11.52.28.118472 AM +00:00

CURRENT_DATE:

SQL Worksheet

```
1 select current_date from dual;
```

CURRENT_DATE
23-FEB-21