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Class: FYCS

PRACTICAL 6

Numeric

Abs

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

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

Ceil

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

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

Floor

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

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

SQRT

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

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

/

MOD

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

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

ROUND

```
SQL> select round(135.45,2) from dual;

ROUND(135.45,2)
-----
          135.45

SQL> select round(135.45,0) from dual;

ROUND(135.45,0)
-----
          135

SQL> select round(135.45,-1) from dual;

ROUND(135.45,-1)
-----
         140
```

REMAINDER

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

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

POWER

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

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

/

TRUNC

```
SQL> select trunc(134.346566,2) from dual;

TRUNC(134.346566,2)
-----
          134.34
```

EXP

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

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

Character

Lower,

```
SQL> select lower('panTHIV paTEL') from dual;

LOWER('PANTHI
-----
panthiv patel
```

Upper,

```
SQL> select upper('panTHIV paTEL') from dual;
```

```
UPPER('PANTHI  
-----  
PANTHIV PATEL
```

/

Initcap,

```
SQL> select initcap('panTHIV paTEL') from dual;
```

```
INITCAP('PANT  
-----  
Panthiv Patel
```

Length,

```
SQL> select length('panTHIV paTEL') from dual;
```

```
LENGTH('PANTHIVPATEL')  
-----  
13
```

Substr,

```
SQL> select substr('panTHIV paTEL',6,8) from dual;
```

```
SUBSTR('PANTHIVPATEL',6,8)  
-----  
IV paTEL
```

Concat,

```
SQL> select concat('panTHIV paTEL',' is a boy') from dual;
```

```
CONCAT('PANTHIVPATEL',  
-----  
panTHIV paTEL is a boy
```

Instr,

```
SQL> select instr('panTHIV paTEL',' pa') from dual;
```

```
INSTR('PANTHIVPATEL','PA')  
-----  
8
```

/

Trim,

```
SQL> select trim(leading '1' from 111234561111) from dual;

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
```

RTRIM,

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

RTRI
----
1234
```

/

LTRIM,

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

LTRI
----
1234
```

TRANSLATE

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

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

,REPLACE,

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

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

RPAD,

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

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

/

LPAD

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

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

Date Function

SYSDATE

```
SQL> select sysdate from dual;

SYSDATE
-----
23-FEB-21
```

,NEXT_DAY

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

NEXT_DAY(
-----
27-FEB-21
```

,LAST_DAY,

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

SYSDATE    Last        Days Left
-----
22-FEB-21 28-FEB-21         6
```

ADD_MONTHS,

```
SQL> select add_months(hiredate,1) from panthiv_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
```

```
23-JUN-87
```

```
03-JAN-82
```

```
23-FEB-82
```

```
14 rows selected.
```

MONTHS_BETWEEN,

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

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

```
-----  
9.96747386
```

SYSTIMESTAMP,

```
SQL> select systimestamp from dual;
```

```
SYSTIMESTAMP
```

```
-----  
23-FEB-21 12.10.18.110000 AM +05:30
```

CURRENT_DATE

```
SQL> select current_date from dual;
```

```
CURRENT_D
```

```
-----  
23-FEB-21
```