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PRACTICAL NO.6

ROLL NO. 30

CLASS : FYCS

Numeric(Abs)

```
SQL> select abs(-7.8) from dual;

ABS(-7.8)
-----
       7.8
```

(Ceil)

```
SQL> select ceil(7.8) from dual;

CEIL(7.8)
-----
       8
```

(Floor)

```
SQL> select floor(7.8) from dual;

FLOOR(7.8)
-----
       7
```

(SQRT)

```
SQL> select SQRT(81) from dual;

SQRT(81)
-----
       9
```

,MOD

```
SQL> select MOD(11 , 4) from dual;

MOD(11,4)
-----
       3
```

,ROUND

```
SQL> select ROUND(11.7) from dual;

ROUND(11.7)
-----
         12
```

,REMAINDER

```
SQL> select REMAINDER(11,7) from dual;

REMAINDER(11,7)
-----
          -3
```

,POWER

```
SQL> select POWER(11,7) from dual;

POWER(11,7)
-----
    19487171
```

,TRUNC

```
SQL> select TRUNC(11,7) from dual;

TRUNC(11,7)
-----
         11
```

,EXP

```
SQL> select EXP(11) from dual;

EXP(11)
-----
59874.1417
```

Character(lower,)

```
SQL> SELECT LOWER('ASHUTOSH') FROM DUAL;

LOWER('A
-----
ashutosh
```

Upper

```
SQL> SELECT UPPER('ASHUTOSH') FROM DUAL;

UPPER('A
-----
ASHUTOSH
```

Initcap

```
SQL> SELECT INITCAP('the soap') "Capitals" FROM DUAL;

Capitals
-----
The Soap
```

,length

```
SQL> SELECT LENGTH('ASHUTOSH') FROM DUAL;

LENGTH('ASHUTOSH')
-----
8
```

,substr

```
SQL> SELECT SUBSTR('ABCDEFGH',3,4) "Substring"
2 FROM DUAL;

Subs
----
CDEF
```

,concat

```
SQL> SELECT CONCAT('ASHUTOSH', 'mishra') FROM DUAL;

CONCAT('ASHUTO
-----
ASHUTOSHmishra
```

,instr

```
SQL> SELECT INSTR('CORPORATE FLOOR','OR', 3, 2)  
2    "Instring" FROM DUAL;
```

```
    Instring  
-----  
         14
```

,trim

```
SQL> SELECT TRIM(TRAILING '1' FROM 1234567896541)  
2    AS TRAILING_TRIM  
3    FROM dual;
```

```
TRAILING_TRI  
-----  
123456789654
```

LTRIM

```
SQL> SELECT LTRIM('    SQL Tutorial') from dual;
```

```
LTRIM('SQLTU  
-----  
SQL Tutorial
```

,TRANSLATE,

```
SQL> SELECT REPLACE('1234', '123', '4567') from Dual;
```

```
REPLA  
-----  
45674
```

,RPAD

```
SQL> SELECT rpad ('Oracle DBA',11)  
2    FROM dual;
```

```
RPAD('ORACL  
-----  
Oracle DBA
```

,LPAD

```
SQL> SELECT LPAD('Page 1',15,'*.*') "LPAD example"
2      FROM DUAL;

LPAD example
-----
*.*.*.*.*Page 1
```

Date Function
(SYSDATE)

```
SQL> SELECT TO_CHAR
2      (SYSDATE, 'MM-DD-YYYY HH24:MI:SS') "NOW"
3      FROM DUAL;

NOW
-----
02-22-2021 23:20:58
```

(NEXT_DAY)

```
SQL> SELECT NEXT_DAY('02-FEB-2001','TUESDAY') "NEXT DAY"
2      FROM DUAL;

NEXT DAY
-----
06-FEB-01
```

(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(SYSDATE, 3) FROM dual;

ADD_MONTH
-----
22-MAY-21
```

.(MONTHS_BETWEEN),

```
SQL> SELECT
  2     MONTHS_BETWEEN( DATE '2017-07-01', DATE '2017-01-01' ) MONTH_DIFF
  3 FROM
  4     DUAL;

MONTH_DIFF
-----
          6
```

SYSTIMESTAMP,

```
SQL> SELECT SYSTIMESTAMP FROM DUAL;
```

```
SYSTIMESTAMP
-----
22-FEB-21 11.28.09.175000 PM +05:30
```

CURRENT_DATE

```
SQL> SELECT
  2     TRUNC(CURRENT_DATE)
  3 FROM
  4     dual;

TRUNC(CUR
-----
22-FEB-21
```