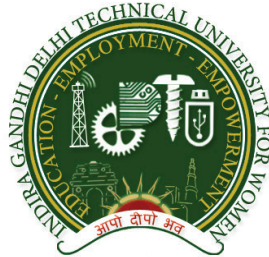# Indira Gandhi Delhi Technical University for Women
(Established by Govt. of Delhi vide Act 09 of 2012)
(Formerly Indira Gandhi Institute of Technology)
Kashmere Gate, Delhi - 110006

LABORATORY FILE

FOR

DBMS (week-5)

MCA – IT (III Semester)

SUBMITTED TO:
 MS. KALPANA

SUBMITTED BY:
 Drishti Kapoor
 MCA, 3rd Semester
 00204092019

1) To display system date.
   SELECT SYSDATE FROM DUAL;

SQL Worksheet   Clear   Find   Actions ∨   Save   Run ▶

1 SELECT SYSDATE FROM DUAL;

SYSDATE

27-OCT-20
Download CSV

2) To display arithmetic calculations.
   SELECT 2*2 FROM DUAL;

SQL Worksheet   Clear   Find   Actions ∨   Save   Run ▶

1 SELECT 2*2 FROM DUAL

2*2

4
Download CSV

3) To display the logged user.
   SELECT USER FROM DUAL;

🏠 Home
▣ SQL Worksheet
☰ My Session   ∨
📄 Schema
⚡ Quick SQL   ∨
📄 My Scripts
↩ My Tutorials
🔒 Code Library

SQL Worksheet   Clear   Find   Actions ∨   Save   Run ▶

1 SELECT USER FROM DUAL;

USER

APEX_PUBLIC_USER
Download CSV

4) To display system time.
   SELECT TO_CHAR(SYSDATE, 'HH:MI:SS') FROM DUAL;

5) To display current month.
        SELECT TO_CHAR(SYSDATE, 'MONTH') FROM DUAL;

6) To display system date in specified format.
        SELECT TO_CHAR(SYSDATE, 'DD/MM/YY') FROM DUAL;

7) To display system date in specified format.
        SELECT TO_CHAR(SYSDATE, 'MM') FROM DUAL;

```
SQL Worksheet                                    ◇ Clear   ⚲ Find   Actions ⌄   🖫 Save   Run ▶

1   SELECT TO_CHAR(SYSDATE, 'MM') FROM DUAL;



                                                  ▲

TO_CHAR(SYSDATE,'MM')
10
Download CSV
```

8) To display date arithmetic.
    SELECT ADD_MONTHS(SYSDATE, 5) FROM DUAL;

```
SQL Worksheet                                    ◇ Clear   ⚲ Find   Actions ⌄   🖫 Save   Run ▶

1   SELECT ADD_MONTHS(SYSDATE, 5) FROM DUAL;



                                                  ▲

ADD_MONTHS(SYSDATE,5)
27-MAR-21
Download CSV
```

9) To display date arithmetic.
    SELECT LAST_DAY(SYSDATE) FROM DUAL;

```
SQL Worksheet                                    ◇ Clear   ⚲ Find   Actions ⌄   🖫 Save   Run ▶

1   SELECT LAST_DAY(SYSDATE) FROM DUAL;



                                                  ▲

LAST_DAY(SYSDATE)
31-OCT-20
Download CSV
```

10) To display date arithmetic.
    SELECT MONTHS_BETWEEN(SYSDATE, '01-APR-09') FROM
    DUAL;

11) To display date arithmetic.
           SELECT NEXT_DAY(SYSDATE, 'MON') FROM DUAL;

GROUP FUNCTIONS:

12) To display average basic salary of the employees.
           SELECT SUM(Salary) FROM salary;

13) To display minimum basic salary of the employees.
           SELECT MIN(Salary) FROM salary;

SQL Worksheet

```
1   SELECT MIN(Salary) FROM Salary;
```

MIN(SALARY)

40000

Download CSV

14) To display maximum basic salary of the employees.

SELECT MAX(Salary) FROM salary;

SQL Worksheet

```
1   SELECT MAX(Salary) FROM Salary;
```

MAX(SALARY)

1000000

Download CSV

15) To display sum of basic salaries of all the employees.

SELECT SUM(Salary) FROM salary;

SQL Worksheet

```
1   SELECT SUM(Salary) FROM Salary;
```

SUM(SALARY)

1250000

Download CSV

16) To display the number of records in salary table.

SELECT COUNT(*) FROM salary;

STRING FUNCTIONS:

17) To display a field value after left padding.
     SELECT LPAD('PAGE-1', 10, '*') FROM DUAL;

18) To display a field value after left padding.
     SELECT RPAD('PAGE-1', 10, '*') FROM DUAL;

19) To display a field value after converting to lower case.
     SELECT LOWER('A') FROM DUAL;

SQL Worksheet   Clear   Find   Actions ⌄   Save   Run ▶

```
1   SELECT LOWER('A') FROM DUAL;
```

LOWER('A')

a

Download CSV

20) To display a field value after converting to upper case.

SELECT UPPER('a') FROM DUAL;

SQL Worksheet   Clear   Find   Actions ⌄   Save   Run ▶

```
1   SELECT UPPER('a') FROM DUAL;
```

UPPER('A')

A

Download CSV

21) To display a field value after converting to initial capital case.

SELECT INITCAP('HOW ARE YOU?') FROM DUAL;

SQL Worksheet   Clear   Find   Actions ⌄   Save   Run ▶

```
1   SELECT INITCAP('HOW ARE YOU?') FROM DUAL;
```

INITCAP('HOWAREYOU?')

How Are You?

Download CSV

22) To display a substring of a field value.

SELECT SUBSTR('CSE2A', 4, 2) FROM DUAL;

23) To display the length of a field value.
> SELECT LENGTH('HOW LONG AM I?') FROM DUAL;

24) To display a field value after trimming the right side.
> SELECT RTRIM('CSE2A', '2A') FROM DUAL;

25) To display a field value after trimming the left side.
> SELECT LTRIM('CSE2A', 'CSE') FROM DUAL;

SQL Worksheet

```
1  SELECT LTRIM('CSE2A', 'CSE') FROM DUAL;
```

LTRIM('CSE2A','CSE')
2A

Download CSV