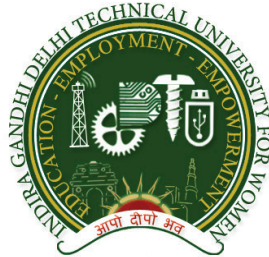


**Indira Gandhi Delhi Technical University for Women**  
(Established by Govt. of Delhi vide Act 09 of 2012)  
(Formerly Indira Gandhi Institute of Technology)  
Kashmere Gate, Delhi - 110006

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**LABORATORY FILE**

**FOR**

**DBMS (week-5)**

**MCA – IT (III Semester)**

**SUBMITTED TO:**  
**MS. KALPANA**

**SUBMITTED BY:**  
**Drishti Kapoor**  
**MCA, 3<sup>rd</sup> Semester**  
**00204092019**

1) To display system date.

```
SELECT SYSDATE FROM DUAL;
```

The screenshot shows the 'SQL Worksheet' interface. The top bar includes 'Clear', 'Find', 'Actions', 'Save', and a green 'Run' button. The main editor area contains the SQL query '1 SELECT SYSDATE FROM DUAL;'. Below the editor, a table displays the result of the query.

SYSDATE
27-OCT-20

Download CSV

2) To display arithmetic calculations.

```
SELECT 2*2 FROM DUAL;
```

The screenshot shows the 'SQL Worksheet' interface. The top bar includes 'Clear', 'Find', 'Actions', 'Save', and a green 'Run' button. The main editor area contains the SQL query '1 SELECT 2\*2 FROM DUAL;'. Below the editor, a table displays the result of the query.

2*2
4

Download CSV

3) To display the logged user.

```
SELECT USER FROM DUAL;
```

The screenshot shows the 'SQL Worksheet' interface with a sidebar on the left containing navigation links: Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The top bar includes 'Clear', 'Find', 'Actions', 'Save', and a green 'Run' button. The main editor area contains the SQL query '1 SELECT USER FROM DUAL;'. Below the editor, a table displays the result of the query.

USER
APEX_PUBLIC_USER

Download CSV

4) To display system time.

```
SELECT TO_CHAR(SYSDATE, 'HH:MI:SS') FROM DUAL;
```

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT TO_CHAR(SYSDATE, 'HH:MI:SS') FROM DUAL;
```

TO_CHAR(SYSDATE, 'HH:MI:SS')
08:30:24

Download CSV

5) To display current month.

SELECT TO\_CHAR(SYSDATE, 'MONTH') FROM DUAL;

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT TO_CHAR(SYSDATE, 'MONTH') FROM DUAL;
```

TO_CHAR(SYSDATE, 'MONTH')
OCTOBER

Download CSV

6) To display system date in specified format.

SELECT TO\_CHAR(SYSDATE, 'DD/MM/YY') FROM DUAL;

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT TO_CHAR(SYSDATE, 'DD/MM/YY') FROM DUAL;
```

TO_CHAR(SYSDATE, 'DD/MM/YY')
27/10/20

Download CSV

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;

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT MONTHS_BETWEEN(SYSDATE, '01-APR-09') FROM DUAL;
```

MONTHS_BETWEEN(SYSDATE, '01-APR-09')
138.858782183393070489844683393070489845

Download CSV

11) To display date arithmetic.

SELECT NEXT\_DAY(SYSDATE, 'MON') FROM DUAL;

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT NEXT_DAY(SYSDATE, 'MON') FROM DUAL;
```

NEXT_DAY(SYSDATE, 'MON')
02-NOV-20

Download CSV

## GROUP FUNCTIONS:

12) To display average basic salary of the employees.

SELECT SUM(Salary) FROM salary;

SQL Worksheet

Clear Find Actions Save Run

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

SUM(SALARY)
1250000

Download CSV

13) To display minimum basic salary of the employees.

SELECT MIN(Salary) FROM salary;

SQL Worksheet

Clear Find Actions Save Run

```
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;

Home SQL Worksheet My Session Schema Quick SQL My Scripts My Tutorials Code Library

SQL Worksheet

Clear Find Actions Save Run

```
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

Clear Find Actions Save Run

```
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;

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT COUNT(*) FROM salary;
```

COUNT(*)
5

Download CSV

## STRING FUNCTIONS:

17) To display a field value after left padding.

```
SELECT LPAD('PAGE-1', 10, '*') FROM DUAL;
```

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT LPAD('PAGE-1', 10, '*') FROM DUAL;
```

LPAD('PAGE-1',10,'*')
*****PAGE-1

Download CSV

18) To display a field value after left padding.

```
SELECT RPAD('PAGE-1', 10, '*') FROM DUAL;
```

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT RPAD('PAGE-1', 10, '*') FROM DUAL;
```

RPAD('PAGE-1',10,'*')
PAGE-1*****

Download CSV

19) To display a field value after converting to lower case.

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

Feedback Help pakanshu914@gmail.com

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;



SQL Worksheet

Clear Find Actions Save Run

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

SUBSTR('CSE2A',4,2)
2A

Download CSV

23) To display the length of a field value.

SELECT LENGTH('HOW LONG AM I?') FROM DUAL;

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT LENGTH('HOW LONG AM I?') FROM DUAL;
```

LENGTH('HOW LONG AM I?')
14

Download CSV

24) To display a field value after trimming the right side.

SELECT RTRIM('CSE2A', '2A') FROM DUAL;

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT RTRIM('CSE2A', '2A') FROM DUAL;
```

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

Download CSV

25) To display a field value after trimming the left side.

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

SQL Worksheet

Clear

Find

Actions

Save

Run

1

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

LTRIM('CSE2A', 'CSE')

2A

Download CSV