A.Y.
2023-24

Class: SE-ITA/B,

Semester: III Subject:

Structured Query Lab

Experiment – 9: Implement Procedures on the chosen system.

1. **Aim:** To Implement Procedures , Cursors and Functions on the chosen system.
2. **Objective:**
   - After performing the experiment, the students will be able to formulate and use procedures to manipulate database and retrieve data
   - Use cursors/functions/procedure on the database

3. **Outcome:** L303.4: To Write queries in SQL to retrieve any type of information from a database.
4. **Prerequisite:** Understanding of Procedures,functions and Cursors with terminologies along with sample syntax.

5. **Requirements:** PC, Oracle 11g/SQL Server 2008 R2, Microsoft Word, Internet, MySQL

6. **Pre-Experiment Exercise:**
   Brief Theory :(To be handwritten)

   1. What are Procedures explain with syntax.
   2. What is the use of Procedure?
   3. Write procedure with one input parameter.

B. **Result/Observation/Program code:** Attach all queries executed code with proper output

4. **PROCEDURE:**

```
select * from
admin.data;
use admin;

DELIMITER //
```

```
CREATE
PROCEDURE
home_add (IN loc
CHAR(20))
BEGIN
SELECT uid, name
FROM admin.data
WHERE location =
loc;END DELIMITER


CALL home_add('Mumbai');
DELIMITER //

CREATE PROCEDURE exam
(IN ex
CHAR(20)
) BEGIN
SELECT college_id, college_name FROM
college_data WHERE entrance_exam = ex;
END //

DELIMITER


CALL exam;  // Calling a procedure
```

8. Post Experimental

Exercise-(Handwritten) A Questions:

1. How to call a procedure without parameter and with one input parameter give example.
2. Write syntax to delete and to alter stored procedure.

B. Conclusion:

1. Write what was performed in the experiment
2. Mention few applications of what was studied.
3. Write the significance of the studied topic

C. **References:**

[1]   Elmasri and Navathe, "Fundamentals of Database Systems", 5th Edition, PEARSON Education.

[2] Korth, Silberchatz, Sudarshan, "Database System Concepts", 6th Edition, McGraw – Hill

[3] https://www.w3schools.com/sql/sql_default.asp