

## Exp-15

### SIMPLE PROGRAMMING USING CASE AND LOOP

```
--> BEGIN
-->     DECLARE counter INT DEFAULT 1;
-->
-->     simple_loop: LOOP
-->         CASE
-->             WHEN counter = 1 THEN SELECT 'First iteration' AS Message;
-->             WHEN counter = 2 THEN SELECT 'Second iteration' AS Message;
-->             WHEN counter = 3 THEN SELECT 'Third iteration' AS Message;
-->             ELSE LEAVE simple_loop;
-->         END CASE;
-->         SET counter = counter + 1;
-->     END LOOP simple_loop;
--> END$$
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql> DELIMITER ;
mysql>
mysql> CALL CaseloopExample();
+-----+
| Message |
+-----+
| First iteration |
+-----+
1 row in set (0.00 sec)

+-----+
| Message |
+-----+
| Second iteration |
+-----+
1 row in set (0.01 sec)

+-----+
| Message |
+-----+
| Third iteration |
+-----+
1 row in set (0.01 sec)

Query OK, 0 rows affected (0.02 sec)

33°C Mostly sunny  Search  ENG IN 13:56 08-10-2025
```

```
+-----+
| Message |
+-----+
| Second iteration |
+-----+
1 row in set (0.01 sec)

+-----+
| Message |
+-----+
| Third iteration |
+-----+
1 row in set (0.01 sec)

Query OK, 0 rows affected (0.02 sec)

mysql> DELIMITER $$

mysql>
mysql> CREATE PROCEDURE AddNumbers(IN a INT, IN b INT)
--> BEGIN
-->     DECLARE sum INT;
-->     SET sum = a + b;
-->     SELECT CONCAT('Sum = ', sum) AS Result;
--> END$$
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql> DELIMITER ;
mysql>
mysql> CALL AddNumbers(15, 25);
+-----+
| Result |
+-----+
| Sum = 40 |
+-----+
1 row in set (0.01 sec)

Query OK, 0 rows affected (0.02 sec)

mysql>
```