

Exp-15

SIMPLE PROGRAMMING USING CASE AND LOOP

```
MySQL 8.0 Command Line Cli x + v
-> 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)
```

```
MySQL 8.0 Command Line Cli x + v

+-----+
| 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>
```