

```
mysql> DELIMITER //
mysql> CREATE FUNCTION Sample (bonus INT)
-> RETURNS INT
-> BEGIN
-> DECLARE income INT;
-> SET income = 0;
-> myLabel: LOOP
-> SET income = income + bonus;
-> IF income < 10000 THEN
-> ITERATE myLabel;
-> END IF;
-> LEAVE myLabel;
-> END LOOP myLabel;
-> RETURN income;
-> END; //
```

Query OK, 0 rows affected (0.11 sec)

```
mysql> DELIMITER ;
mysql> SELECT Sample(1000);
```

```
+-----+
| Sample(1000) |
+-----+
|          10000 |
+-----+
```

1 row in set (0.07 sec)

```
mysql> delimiter $$
mysql> CREATE PROCEDURE myProc()
-> outer_block: BEGIN
-> DECLARE l_status int;
-> SET l_status=1;
-> inner_block: BEGIN
-> IF (l_status=1) THEN
-> LEAVE inner_block;
-> END IF;
-> SELECT 'This statement will never be executed';
-> END inner_block;
-> SELECT 'End of program';
-> END outer_block$$
```

Query OK, 0 rows affected (0.08 sec)

```
mysql> delimiter ;
mysql> call myProc();
```

```
+-----+
| End of program |
+-----+
| End of program |
+-----+
```

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

```
mysql> delimiter //
mysql> CREATE procedure ForLoop()
-> wholeblock:BEGIN
-> DECLARE start INT ;
-> Declare maxLimit int;
-> DECLARE result VARCHAR(255);
-> SET start =1 ;
-> SET maxLimit=10;
-> SET result = '';
-> loop_label: LOOP
```

```

-> IF start > 10 THEN
-> LEAVE loop_label;
-> END IF;
-> SET result = CONCAT(result,start,',');
-> SET start = start + 1;
-> ITERATE loop_label;
-> END LOOP;
-> SELECT result;
-> END
-> //
Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;
mysql> call ForLoop();
+-----+
| result |
+-----+
| 1,2,3,4,5,6,7,8,9,10, |
+-----+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter //
mysql> create procedure If_else_stored_demo(value int)
-> begin
-> if value > 1000 then
-> select "your value is greater than 1000";
-> else
-> select "your value is less than or equal to 1000";
-> end if ;
-> end
-> //
Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;
mysql> call If_else_stored_demo(500);
+-----+
| your value is less than or equal to 1000 |
+-----+
| your value is less than or equal to 1000 |
+-----+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> create table student_info (
-> ID int(10), Name varchar(50),
-> Address varchar(35), Subject varchar(20)
-> );
Query OK, 0 rows affected (0.23 sec)

mysql> insert into student_info values(101, "Yash", "Amritsar", "History");
Query OK, 1 row affected (0.07 sec)

mysql> insert into student_info values(105, "Gaurav", "Jaipur", "Literature");
Query OK, 1 row affected (0.07 sec)

mysql> insert into student_info values(125, "Raman", "Shimla", "Computers");
Query OK, 1 row affected (0.19 sec)

mysql> select * from student_info;
+-----+-----+-----+-----+

```

ID	Name	Address	Subject
101	Yash	Amritsar	History
105	Gaurav	Jaipur	Literature
125	Raman	Shimla	Computers

3 rows in set (0.00 sec)

```
mysql> Delimiter //
mysql> CREATE PROCEDURE coursedetail_CASE(IN S_subject Varchar(20), OUT S_Course
Varchar(50))
-> BEGIN
-> DECLARE SUB VArchar(20);
-> SELECT SUBJECT INTO Sub
-> FROM Student_Info WHERE S_Subject = Subject;
-> CASE S_Subject WHEN 'Computers' THEN
-> SET S_Course = 'B.Tech(CSE)';
-> WHEN 'History' THEN
-> SET S_Course = 'Masters in History';
-> WHEN 'Literature' THEN
-> SET S_Course = 'Masters in English';
-> ELSE
-> SET S_Course = 'Subject not in the table';
-> END CASE ;
-> END //
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> DELIMITER ;
mysql> CALL coursedetail_CASE ('Computers', @S_course);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> Select @S_Course;
+-----+
| @S_Course |
+-----+
| B.Tech(CSE) |
+-----+
1 row in set (0.00 sec)
```