Ex:No: 10
Date:

Simple programming exercise using(REPEAT, WHILE)

Aim:

To learn how to use various MySQL loop statements including while, repeat to run a block of code repeatedly based on a condition.

Program1

Write a function to build a string repeatedly until the value of the variable becomes s greater than 5. Then, we display the final string using a SELECT statement.

Program 2:

Write a function that uses REPEAT statement which would repeat the loop until income is greater than or equal to 4000, at which point the REPEAT loop would beterminated

OUTPUTS:

Program1:

```
mysql> CREATE PROCEDURE test_mysql_while_loop()
    -> BEGIN
    -> DECLARE x  INT;
    -> DECLARE str  VARCHAR(255);
    ->
    -> SET x = 1;
    -> SET str =  '';
    ->
    -> WHILE x  <= 5 DO
    -> SET  str = CONCAT(str,x,',');
    -> SET  x = x + 1;
    -> END WHILE;
    ->
    -> SELECT str;
    -> END
    -> //
Query OK, 0 rows affected (0.00 sec)

mysql> CALL test_mysql_while_loop() //
+------------+
| str        |
+------------+
| 1,2,3,4,5, |
+------------+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

Program 2:

```
mysql> CREATE PROCEDURE dorepeat(p1 INT) BEGIN SET @x=0; REPEAT SET @x=@x+1; UNT
IL @x>p1 END REPEAT; END//
Query OK, 0 rows affected (0.01 sec)

mysql> CALL dorepeat(4001) //
Query OK, 0 rows affected (0.03 sec)

mysql> SELECT @x;
    -> //
+------+
| @x   |
+------+
| 4002 |
+------+
1 row in set (0.00 sec)
```

RESULT : Thus the Simple programming exercise using(REPEAT, WHILE) exectuted successfully.