

Enter password: _____
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 24
Server version: 8.0.31 MySQL Community Server - GPL
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> mysql> DELIMITER $$
-> mysql> CREATE FUNCTION REPEAT_DEMO(INC INT)
-> -> RETURNS CHAR(40)
-> -> DETERMINISTIC
-> -> BEGIN
-> -> DECLARE INCOME INT;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'mysql> DELIMITER $$
mysql> CREATE FUNCTION REPEAT_DEMO(INC INT)
-> RETURNS C' at line 1
mysql> -> SET INCOME=0;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> SET INCOME=0' at line 1
mysql> -> REPEAT
-> -> SET INCOME=INCOME+INC;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> REPEAT
-> SET INCOME=INCOME+INC' at line 1
mysql> -> UNTIL INCOME>4000
-> -> END REPEAT;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> UNTIL INCOME>4000
-> END REPEAT' at line 1
mysql> -> RETURN "INCOME>4000 DETECTED";
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> RETURN "INCOME>4000 DETECTED"' at line 1
mysql> -> END;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> END' at line 1
mysql> -> $$
-> Query OK, 0 rows affected (0.01 sec)
->
-> mysql> SELECT REPEAT_DEMO(3000);$$
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> $$
Query OK, 0 rows affected (0.01 sec)

mysql> SELECT REPEAT_DEMO(3000)' at line 1
-> +-----+
-> | REPEAT_DEMO(3000) |
-> +-----+
-> | INCOME>4000 DETECTED |
-> +-----+
-> 1 row in set (0.00 sec)
->
-> mysql> SELECT REPEAT_DEMO(4000);$$
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '$$
+-----+
```

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->      -> DECLARE STR CHAR(100);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '+-----+
| res          |
+-----+' at line 1
mysql>      -> DECLARE I INT;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> DECLARE I INT' at line 1
mysql>      -> SET STR='';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> SET STR=''' at line 1
mysql>      -> SET I=1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> SET I=1' at line 1
mysql>      -> LABEL:
->      -> WHILE I<=5 DO
->      -> SET STR =CONCAT(STR,VALUE);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> LABEL:
-> WHILE I<=5 DO
-> SET STR =CONCAT(STR,VALUE)' at line 1
mysql>      -> SET I=I+1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> SET I=I+1' at line 1
mysql>      -> END WHILE LABEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> END WHILE LABEL' at line 1
mysql>      -> RETURN STR;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> RETURN STR' at line 1
mysql>      -> END;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> END' at line 1
mysql>      -> $$
-> Query OK, 0 rows affected (0.02 sec)
->
-> mysql> SELECT WHILE_DEMO('A');$$
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> $$
Query OK, 0 rows affected (0.02 sec)

mysql> SELECT WHILE_DEMO('A')' at line 1
-> +-----+
-> | WHILE_DEMO('A') |
-> +-----+
-> | AAAAA          |
-> +-----+
-> 1 row in set (0.01 sec)

```

```

-> mysql> SELECT REPEAT_DEMO(4000);$$
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '$$'
+-----+
| REPEAT_DEMO(3000) |
+-----+
| ' at line 1
-> +-----+
-> | REPEAT_DEMO(4000) |
-> +-----+
-> | INCOME>4000 DETECTED |
-> +-----+
-> 1 row in set (0.00 sec)
-> mysql> DELIMITER //
-> mysql> CREATE PROCEDURE while_loop()
-> -> BEGIN
-> -> DECLARE num INT default 1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '$$'
+-----+
| REPEAT_DEMO(4000) |
+-----+
| ' at line 1
mysql> -> DECLARE res Varchar(50) default '';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> DECLARE res Varchar(50) default ''' at line 1
mysql> -> WHILE num < 78125 DO
-> -> SET res = CONCAT(res,num,',');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> WHILE num < 78125 DO
-> SET res = CONCAT(res,num,',')' at line 1
mysql> -> SET num = num*5;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> SET num = num*5' at line 1
mysql> -> END While;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> END While' at line 1
mysql> -> SELECT res;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> SELECT res' at line 1
mysql> -> END //
-> Query OK, 0 rows affected (0.02 sec)
-> mysql> call while_loop();
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-> END //'
Query OK, 0 rows affected (0.02 sec)
mysql> call while_loop()' at line 1
mysql> +-----+
-> | res |
-> +-----+
-> | 1,5,25,125,625,3125,15625, |
-> +-----+
-> 1 row in set (0.01 sec)
->
-> mysql> DELIMITER $$
-> mysql> CREATE FUNCTION WHILE_DEMO(VALUE CHAR(1))
-> -> RETURNS CHAR(20)
-> -> DETERMINISTIC
-> -> BEGIN
-> -> DECLARE STR CHAR(100);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '+-----+
| res |

```