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Course Code	CSA0543	Course title	Database Management Systems for Data Science	
Course Type	Progam Core		Branch /SLOT	CSE / Slot A
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Simple programming exercise using (REPEAT, WHILE)

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

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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);$$
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '$$
->
->      -> 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 '+-----+'

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