

13. 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 statement.

ANS:-

```
mysql> DELIMITER //
mysql>
mysql> CREATE FUNCTION build_string_until_greater_than_5(input_string VARCHAR(255))
  -> RETURNS VARCHAR(255)
  -> BEGIN
  ->   DECLARE counter INT DEFAULT 0;
  ->   DECLARE output_string VARCHAR(255) DEFAULT input_string;
  ->
  ->   WHILE counter <= 5 DO
  ->     SET counter = counter + 1;
  ->     SET output_string = CONCAT(output_string, input_string);
  ->   END WHILE;
  ->
  ->   RETURN output_string;
  -> END//
```

Query OK, 0 rows affected (0.11 sec)

```
mysql>
mysql> DELIMITER ;
mysql> SELECT build_string_until_greater_than_5('Hello');
+-----+
| build_string_until_greater_than_5('Hello') |
+-----+
| HelloHelloHelloHelloHelloHelloHello      |
+-----+
1 row in set (0.03 sec)
```