REPEAT loop

The syntax of the REPEAT loop statement is as follows:

REPEAT

statements;

UNTIL expression

END REPEAT

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REPEAT

statements;

UNTIL expression

END REPEAT

First, MySQL executes the statements, and then it evaluates the expression. If the expression evaluates to FALSE, MySQL executes the statements repeatedly until the expression evaluates to TRUE.

Because the REPEAT loop statement checks the expression after the execution of statements therefore the REPEAT loop statement is also known as the post-test loop.

The following flowchart illustrates the REPEAT loop statement:

mysql repeat loop

We can rewrite the test\_mysql\_while\_loop stored procedure that uses WHILE loop statement above using the REPEAT loop statement:

DELIMITER $$

DROP PROCEDURE IF EXISTS mysql\_test\_repeat\_loop$$

CREATE PROCEDURE mysql\_test\_repeat\_loop()

BEGIN

DECLARE x INT;

DECLARE str VARCHAR(255);

SET x = 1;

SET str = '';

REPEAT

SET str = CONCAT(str,x,',');

SET x = x + 1;

UNTIL x > 5

END REPEAT;

SELECT str;

END$$

DELIMITER ;

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DELIMITER $$

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CREATE PROCEDURE mysql\_test\_repeat\_loop()

BEGIN

DECLARE x INT;

DECLARE str VARCHAR(255);

SET x = 1;

SET str = '';

REPEAT

SET str = CONCAT(str,x,',');

SET x = x + 1;

UNTIL x > 5

END REPEAT;

SELECT str;

END$$

DELIMITER ;

It is noted that there is no semicolon (;) in the UNTIL expression.

CALL mysql\_test\_repeat\_loop();

1

CALL mysql\_test\_repeat\_loop();