

/**

Create a monthly table with a record for each day in the specified month.

The table name will be Mym (e.g. M201502). Drop the table if it exists.

Args:

y: 4-char year.

m: 2-char month.

d_start: 2-char representing the first day of the month, inclusive.

d_end: 2-char representing the last day of the month, inclusive.

Returns:

Return contents of new table with SELECT * FROM ym.

*/

DROP PROCEDURE IF EXISTS create_month_table;

DELIMITER //

CREATE PROCEDURE create_month_table(y CHAR(4), m CHAR(2), d_start CHAR(2), d_end CHAR(2))

BEGIN

DECLARE i INT;

DECLARE i_end INT;

SET @drop_statement = CONCAT('DROP TABLE IF EXISTS M', y, m);

#SELECT @drop_statement;

PREPARE statement FROM @drop_statement;

EXECUTE statement;

SET @create_statement = CONCAT('CREATE TABLE IF NOT EXISTS M', y, m, ' (day DATE)');

#SELECT @create_statement;

PREPARE statement FROM @create_statement;

EXECUTE statement;

SET i = CAST(d_start AS UNSIGNED);

SET i_end = CAST(d_end AS UNSIGNED);

WHILE i <= i_end DO

SET @insert_statement = CONCAT('INSERT INTO M', y, m, '(day) VALUES('',date_builder(y,m,CAST(i AS CHAR)),'')');

#SELECT @insert_statement;

PREPARE statement FROM @insert_statement;

EXECUTE statement;

SET i = i + 1;

END WHILE;

SET @select_statement = CONCAT('SELECT * FROM M', y, m);

PREPARE statement FROM @select_statement;

EXECUTE statement;

END;

//

DELIMITER ;

#USE BlogApplication;

#CALL create_month_table('2015','02','01','28');

#SELECT @create_statement;

