**CREATE** **TABLE** calendars

(**id** INT AUTO\_INCREMENT,

fulldate DATE **UNIQUE**,

**day** TINYINT **NOT** NULL,

**month** TINYINT **NOT** NULL,

**quarter** TINYINT **NOT** NULL,

**year** INT **NOT** NULL,

PRIMARY **KEY**(**id**));

DELIMITER $$

**CREATE** **PROCEDURE** InsertCalendar(dt DATE)

**BEGIN** **INSERT** **INTO** calendars(fulldate, **day**, **month**, **quarter**, **year** )

**VALUES**(dt, **EXTRACT**(**DAY** **FROM** dt), **EXTRACT**(**MONTH** **FROM** dt), **EXTRACT**(**QUARTER** **FROM** dt), **EXTRACT**(**YEAR** **FROM** dt) );

**END**$$

DELIMITER ;

DELIMITER $$

**CREATE** **PROCEDURE** LoadCalendars(startDate DATE, **day** INT)

**BEGIN**

**DECLARE** counter INT **DEFAULT** 1;

**DECLARE** dt DATE **DEFAULT** startDate;

WHILE counter <= day **DO**

**CALL** InsertCalendar(dt);

**SET** counter = counter + 1;

**SET** dt = **DATE\_ADD**(dt,INTERVAL 1 **day**);

**END** **WHILE**;

**END**$$

DELIMITER ;

**CALL** LoadCalendars('2019-01-01',31);