

# Chapter 10 Lab Proof

Jack Tercheria  
4/8/2025

FileEditSelectionViewGoRunTerminalHelp

← →Untitled (Workspace)

DATABASE

test 10.4.28-MariaDB

- ap 208K
- apdb.lab
- dba221db 3.08M
- dba221sales 64K
- phpmyadmin 400k
- premiere\_products 112k
- test
  - Query
  - TablesNo tables found!
  - Views
  - Functions
  - Ch10Lab\_email (middle...
  - Procedures

create-function-template.sql

C:\> Users > Jack > .dbclient > storage > 1739290035056@@127.0.0.1@3306@test > create-function-template.sql > ...

```
6
7 DECLARE fname_string VARCHAR(2);
8 DECLARE mname_string VARCHAR(1);
9 DECLARE random_number_1 INT;
10 DECLARE username_string VARCHAR(30);
11 DECLARE year_current_date INT;
12 DECLARE year_birthday INT;
13 DECLARE form_age INT;
14 DECLARE declare_date DATE;
15 DECLARE random_letter VARCHAR(1);
16 DECLARE random_number_2 INT;
17
18 SET fname_string = SUBSTRING(first_name, 1, 2);
19
20 SET declare_date = CURDATE();
21
22 SET random_number_2 = RAND() * (122) + 65;
23
24 IF middle_name IS NOT NULL THEN
25     SET mname_string = SUBSTRING(middle_name, 1, 1);
26 END IF;
27
```

Result

Search Results

Cost: 108ms

CREATE FUNCTION Ch10Lab\_email(first\_name VARCHAR(15), middle\_name VARCHAR(15), last\_name VARCHAR(30), birthday DATE) RETURNS VARCHAR(100) DETERMINISTIC READS SQL DATA BEGIN
 DECLARE fname\_string VARCHAR(2); DECLARE mname\_string VARCHAR(1); DECLARE random\_number\_1 INT; DECLARE username\_string VARCHAR(30); DECLARE year\_current\_date INT;
 DECLARE year\_birthday INT; DECLARE form\_age INT; DECLARE declare\_date DATE; DECLARE random\_letter VARCHAR(1); DECLARE random\_number\_2 INT; SET fname\_string = SUBSTRING(first\_name, 1, 2);
 SET declare\_date = CURDATE(); SET random\_number\_2 = RAND() \* (122) + 65; IF middle\_name IS NOT NULL THEN SET mname\_string = SUBSTRING(middle\_name, 1, 1); END IF;
 SET random\_number\_1 = RAND() \* (99) + 1; SET year\_current\_date = SUBSTRING(declare\_date, 1, 4); SET year\_birthday = SUBSTRING(birthday, 1, 4); SET form\_age = year\_current\_date - year\_birthday;
 SET random\_letter = CHAR(random\_number\_2); SET username\_string = CONCAT(last\_name, fname\_string, mname\_string, random\_number\_1, form\_age, random\_letter); RETURN username\_string; END

AffectedRows : 0

Drop function Ch10Lab\_email success!

Ln 38, Col 88 Spaces: 4 UTF-8 CRLF MS SQL

60°F Mostly sunny

Search

1:38 PM 4/8/2025



FileEditSelectionViewGoRunTerminalHelp

← →

Untitled (Workspace)

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test 10.4.28-MariaDB

ap 208K

apdb\_lab

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test

Query

Tables

No tables found!

Views

Functions (1)

Ch10Lab\_email (middle...

Procedures

create-email-function.sql

test.sql

C:\> Users > Jack > .dbclient > storage > 1739290035056@@127.0.0.1@3306@test > test.sql > ...

1

2

3

4

5

▷ Run | +Tab | JSON

SELECT Ch10Lab\_email("jack", "ethan", "tercheria", "1999-04-20");

▷ Run | +Tab | JSON

SELECT Ch10Lab\_email("spongebob", "", "squarepants", "1994-01-20"); 3ms

▷ Run | +Tab | JSON

SELECT Ch10Lab\_email("squidward", "", "tentacles", "2002-10-10");

Result

Search Results

Ch10Lab\_email("spon

varchar

> squarepantsp7231o

Ln 4, Col 1

Spaces: 4

UTF-8

CRLF

{ } MS SQL

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4/8/2025

