LAB 9
Using SQL

Lab Objective:
The objective of this lab exercise is for you to learn some simple SQL.

Lab Purpose:
Using SQL, you can execute queries against the database to retrieve data. These queries can be relatively complex, grabbing multiple columns, from a variety of fields, and bringing them together into a single result set. You can also insert, update, and delete records from a database. SQL also has several functions that can be used to create new databases. You can also create tables, and stored procedures, and views, within that database.

You can even set permissions on those tables, procedures, and views. In this lab, you will create a table with two fields using SQL and then after building a schema use the SQL query commands to print the table.

Lab Tool:
You can use sqlfiddle.com, which is a tool to test your SQL scripts.

Lab Topology:

See above.

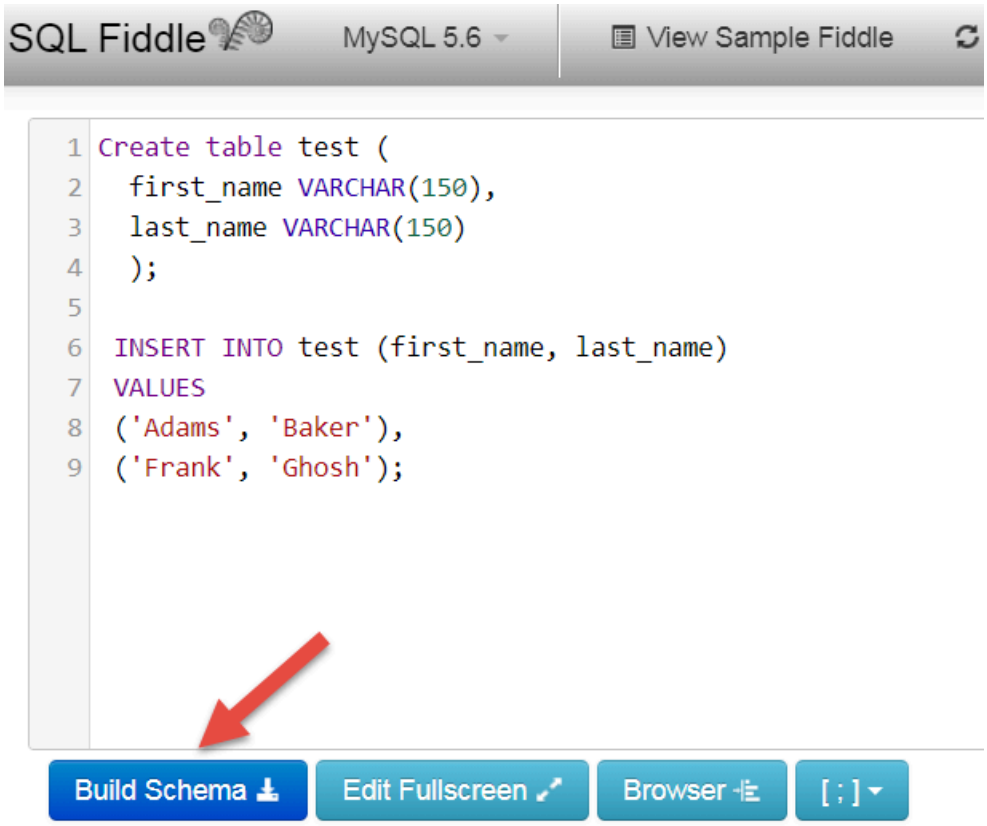
Lab Walkthrough:

Task 1:
Open sqlfiddle.com in a browser window

Task 2:
On the left window, create a table named 'test' with two fields 'first_name' and 'last_name' using the below command. Press the 'Build Schema' button when done.

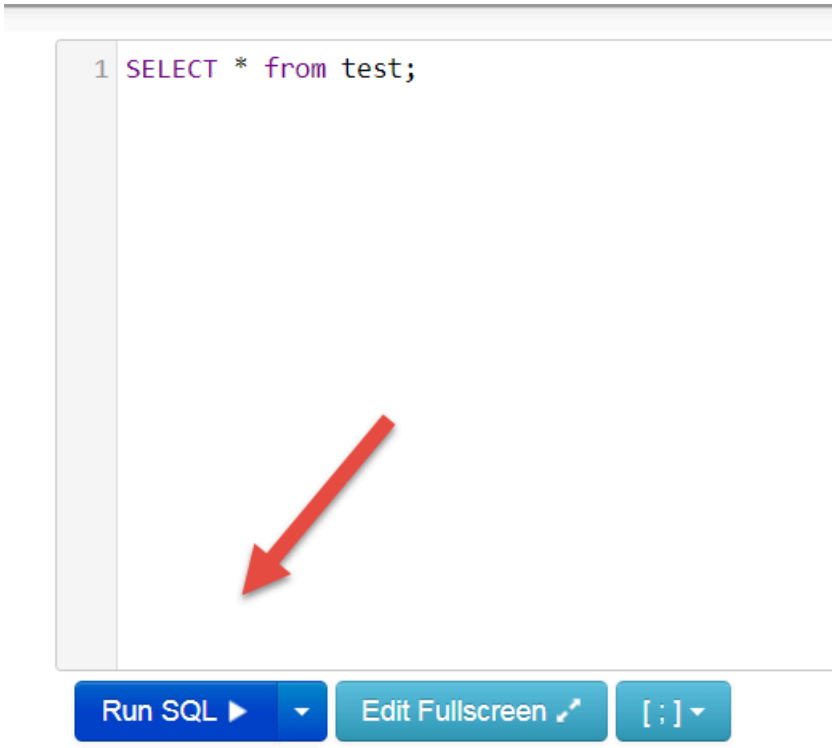
```
Create table test (
  first_name VARCHAR(150),
  last_name VARCHAR(150)
  );

 INSERT INTO test (first_name, last_name)
 VALUES
 ('Adams', 'Baker'),
 ('Frank', 'Ghosh');
```

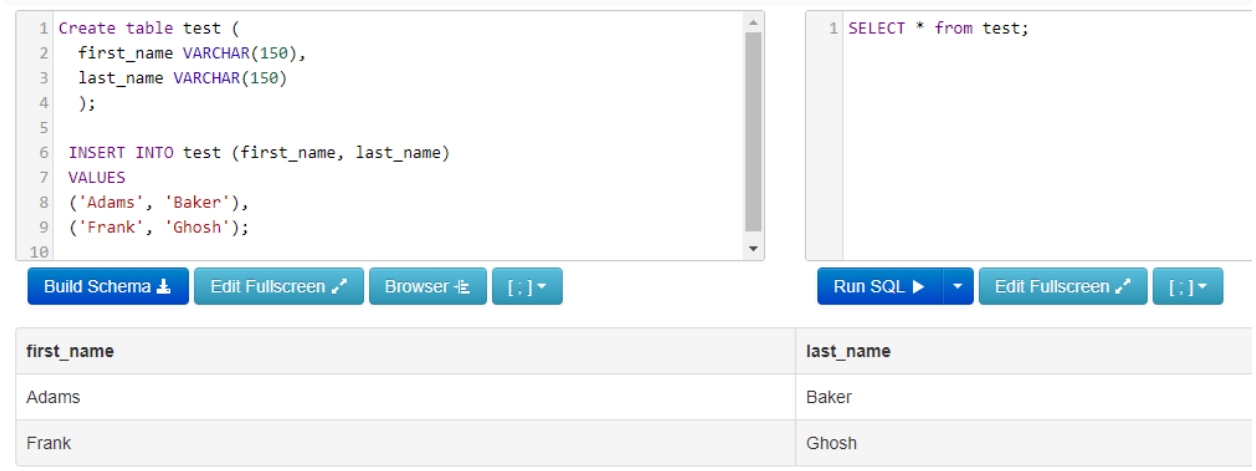


Task 3:
On the right window, query the table created in Task 2 using following command and press 'Run SQL'.

SELECT * from test;



Here is the entire screen and test output.



first_name	last_name
Adams	Baker
Frank	Ghosh

Notes:

You can type the data in or get it from the resources page one 101labs.net for the Network+ and copy/paste it.