

Setting up MySQL workbench

url: <http://dev.mysql.com/downloads/workbench/>

Windows

Installing

MySQL Workbench can be installed using the Windows Installer (.msi) installation package. The MSI package bears the name `mysql-workbench-community-version-winarch.msi`, where version indicates the MySQL Workbench version number, and arch the build architecture (either win32 or winx64), i.e., `mysql-workbench-community-6.3.7-winx64.msi`.

1. To install MySQL Workbench, right-click the MSI file and select the Install item from the pop-up menu, or double-click the file.
2. In the Setup Type window you may choose a Complete or Custom installation. To use all features of MySQL Workbench choose the Complete option.
3. Unless you choose otherwise, MySQL Workbench is installed in `C:\%PROGRAMFILES%\MySQL\MySQL Workbench 6.3 edition_type\`, where `%PROGRAMFILES%` is the default directory for programs for your locale. The `%PROGRAMFILES%` directory is defined as `C:\Program Files\` on most systems.

Launching

To start MySQL Workbench on Windows, select Start, Programs, MySQL, then select MySQL Workbench. This executes the `MySQLWorkbench.exe` file on your system

OS X

Installing: <https://dev.mysql.com/doc/workbench/en/wb-installing-mac.html>

MySQL Workbench for OS X is distributed as a DMG file. The file is named `mysql-workbench-community- version -osx.dmg`, where version is the MySQL Workbench version.

Launching: <https://dev.mysql.com/doc/workbench/en/wb-launching-osx.html>

To launch MySQL Workbench on OS X, open the Applications folder in the Finder, then double-click MySQL Workbench.

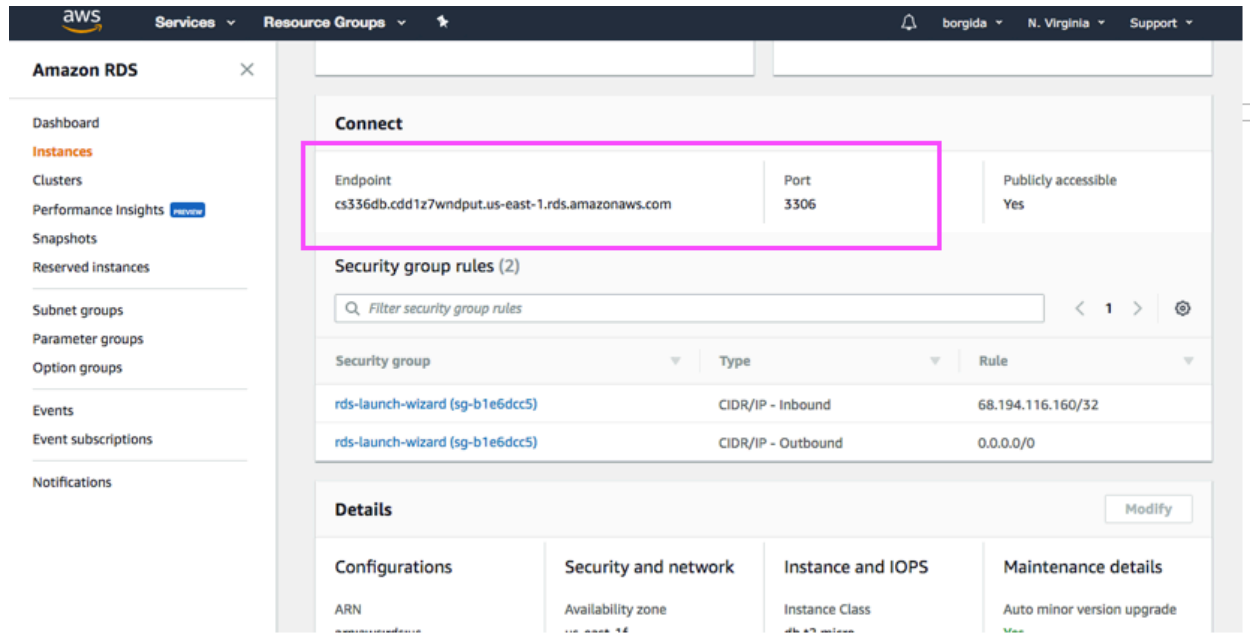
Linux

Installing: <https://dev.mysql.com/doc/workbench/en/wb-installing-linux.html>

Launching: <https://dev.mysql.com/doc/workbench/en/wb-launching-linux.html>

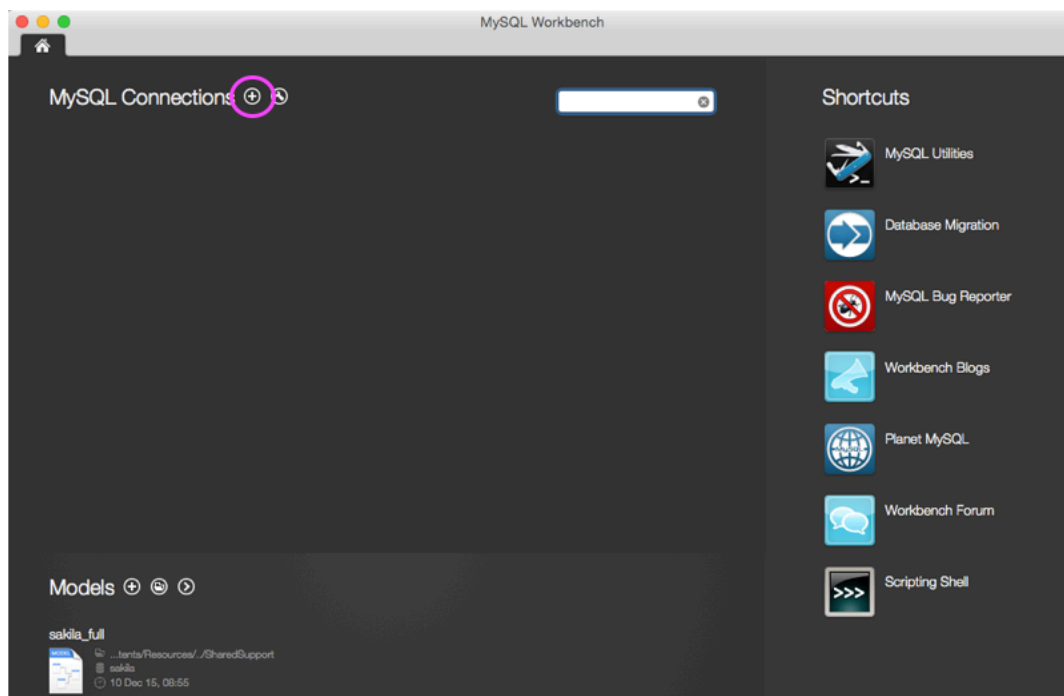
Connecting to the DB instance (RDS) on AWS

If you have installed your DB instance successfully (by following the AWS_RDS.pdf in Sakai) you should have an endpoint being shown like that:



Steps for connecting to the DB instance

1. Open MySQLWorkbench. Click on the + icon.

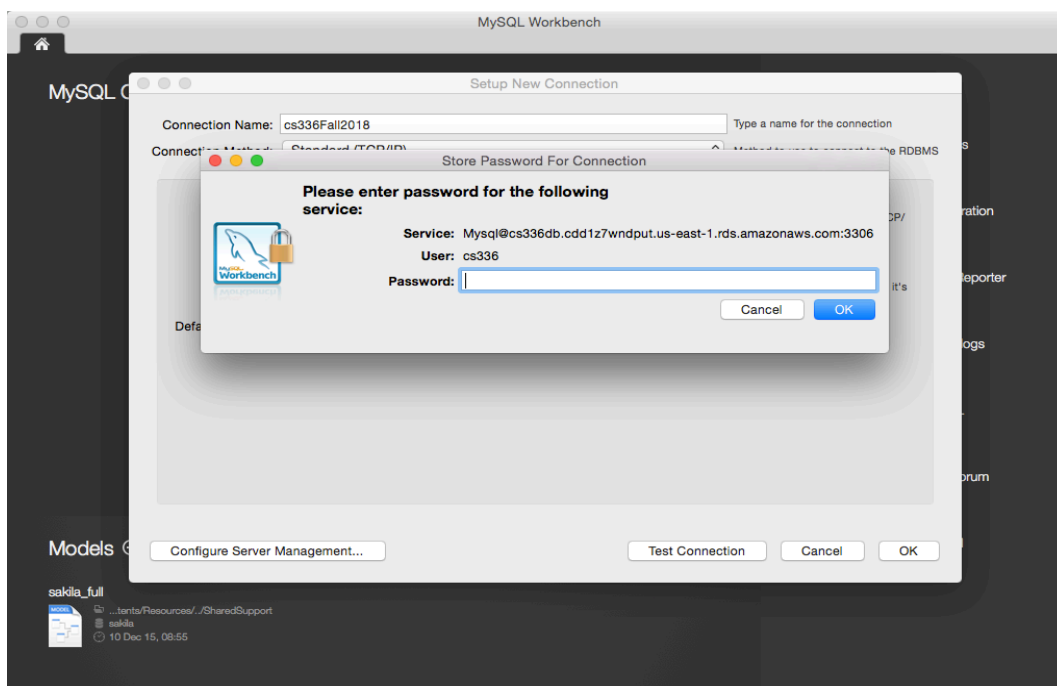
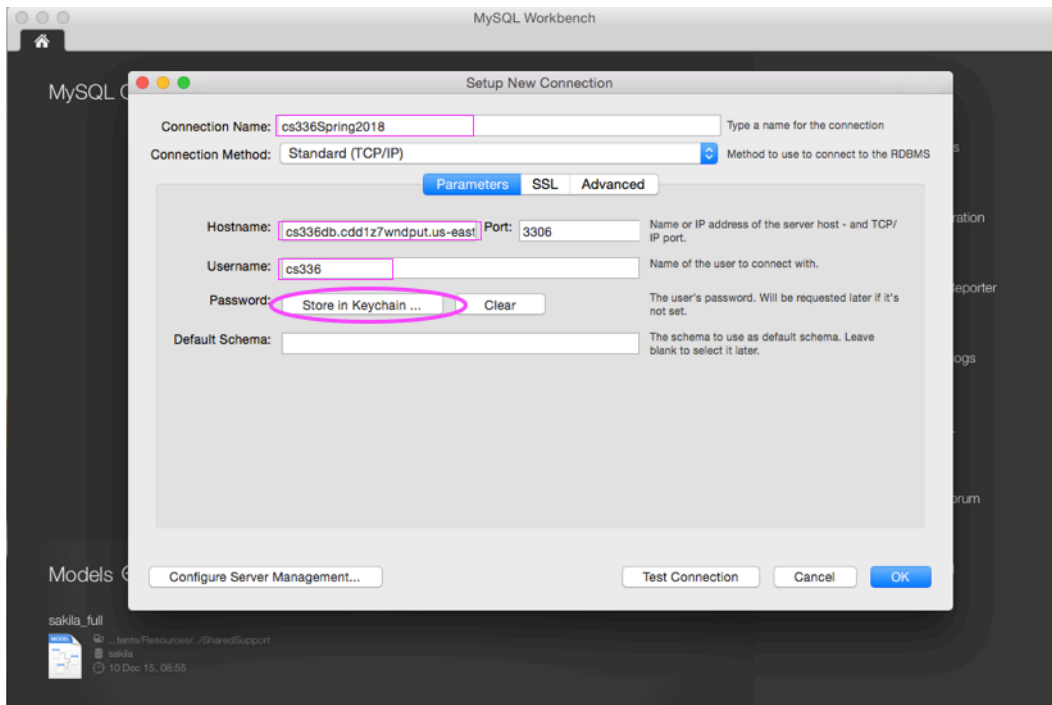


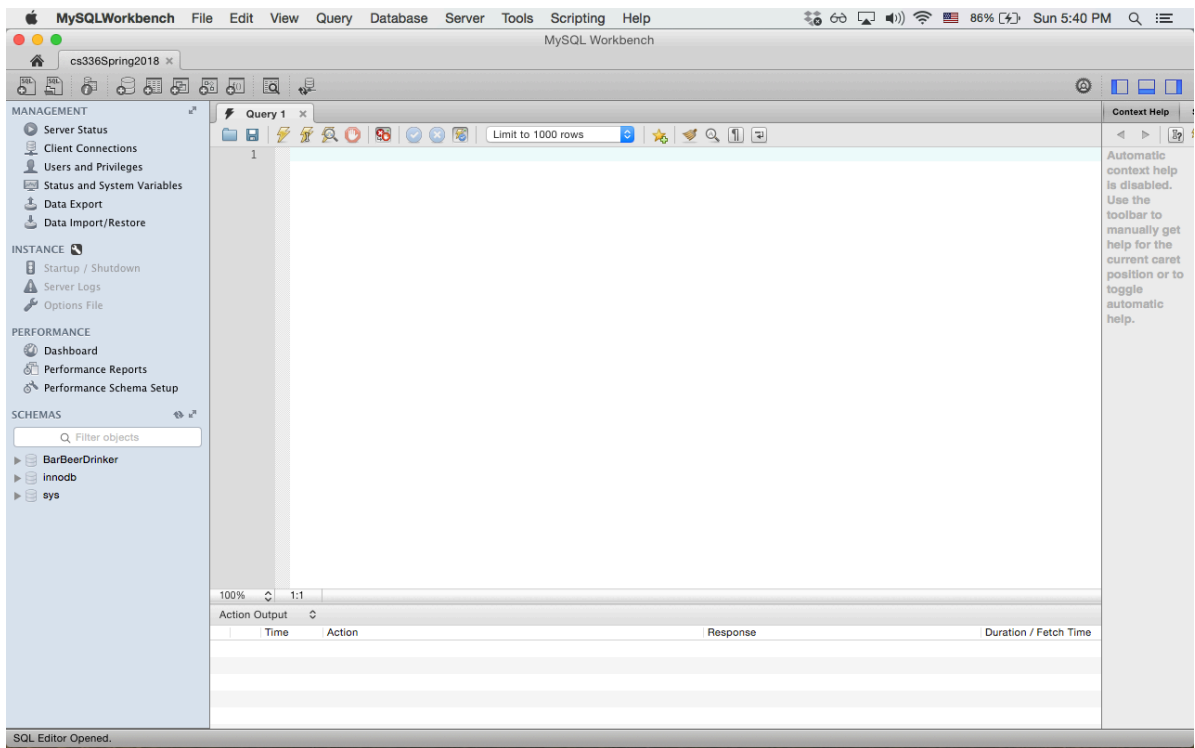
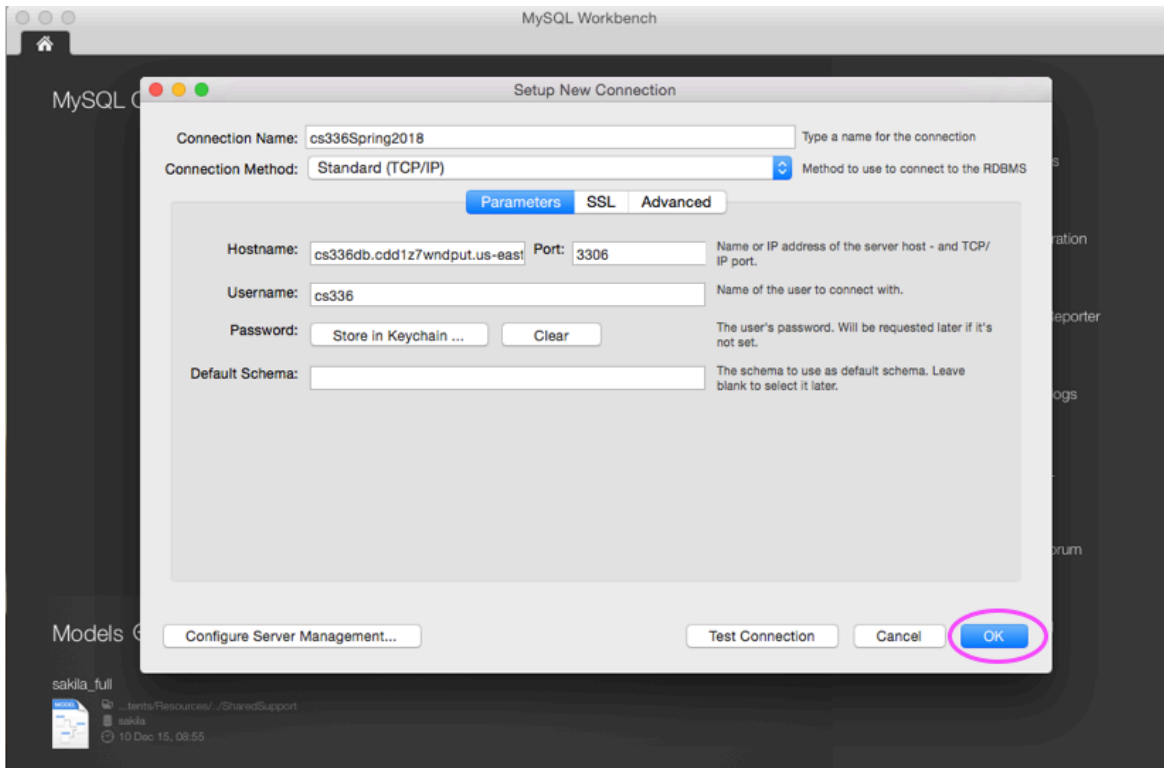
- Connection Name:** choose a name for your db connection. e.g. cs336Spring2018

Hostname: type the endpoint address from your AWS.
e.g. cs336db.cdd1z7wndput.us-east-1.rds.amazonaws.com

Username: The master username you entered when creating the RDS instance. (check page 18 in the AWS_RDS.pdf)

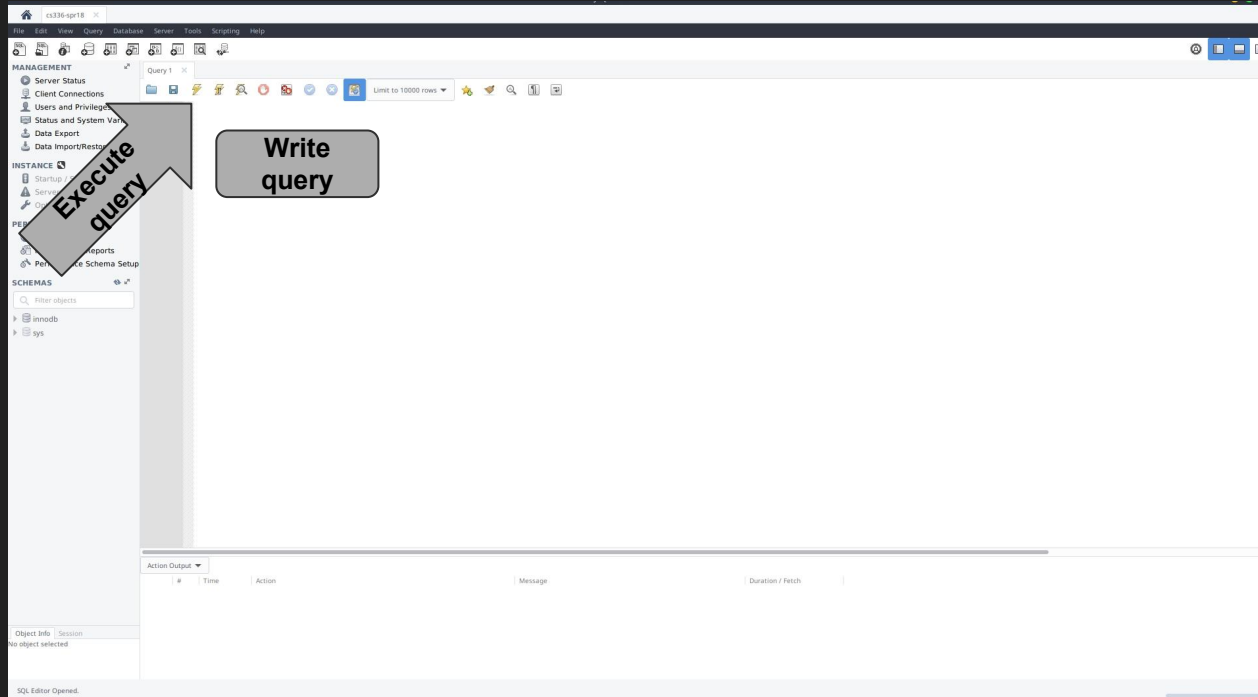
Password: The master password you entered when creating the RDS instance. (check page 18 in the AWS_RDS.pdf)





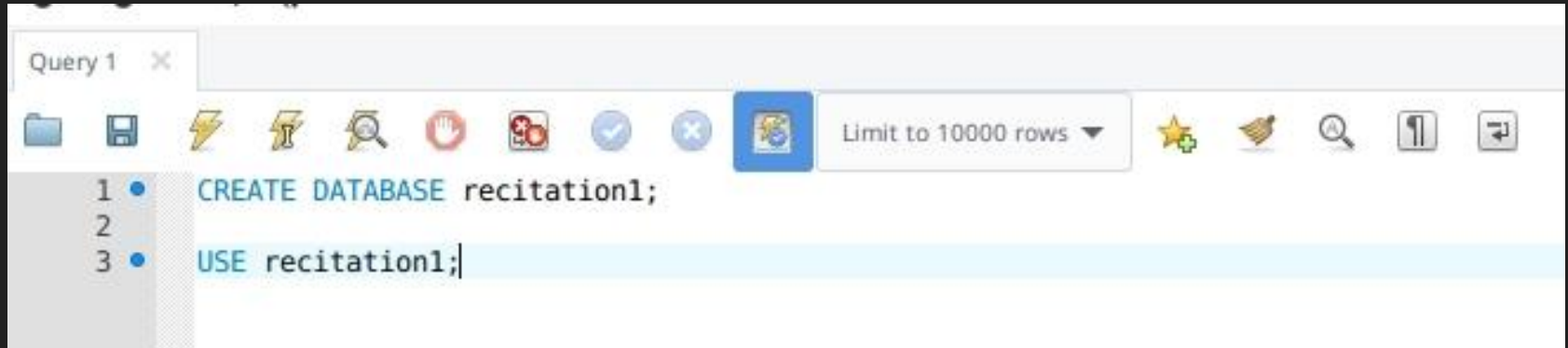
Run some test commands to interact with your new database

- Get to know your way around MySQL Workbench



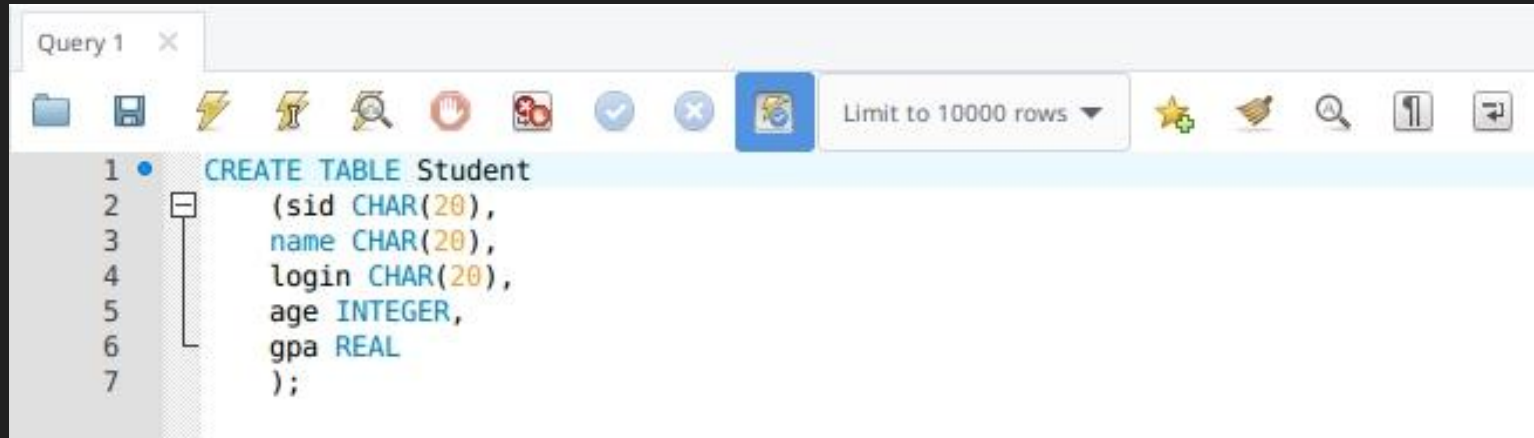
Run some test commands to interact with your new database

- Create a new database, and tell MySQL to use it



Run some test commands to interact with your new database

- Create a new table



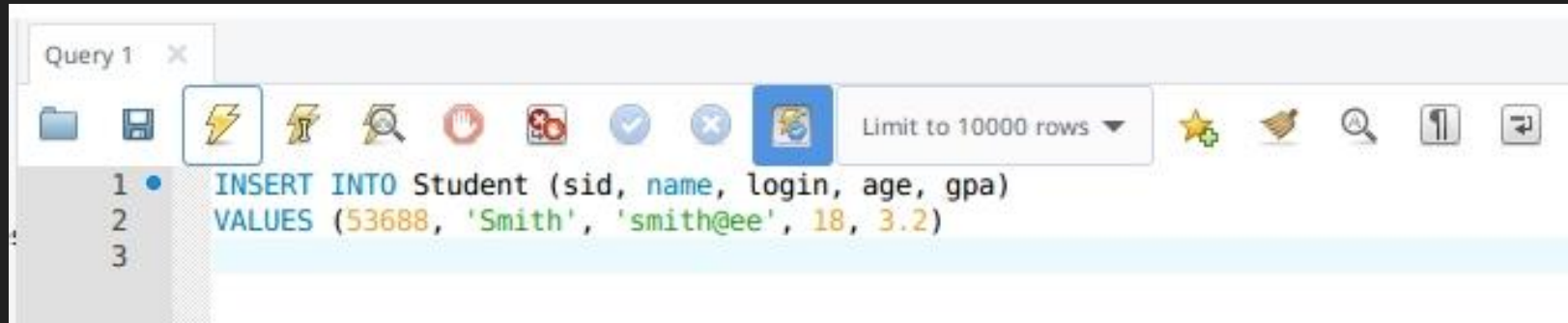
The screenshot shows a SQL query editor window titled "Query 1". The editor contains a SQL command to create a table named "Student". The command is as follows:

```
1 • CREATE TABLE Student
2   (sid CHAR(20),
3    name CHAR(20),
4    login CHAR(20),
5    age INTEGER,
6    gpa REAL
7  );
```

The editor has a toolbar with various icons for file operations, execution, and search. A dropdown menu next to the toolbar indicates "Limit to 10000 rows".

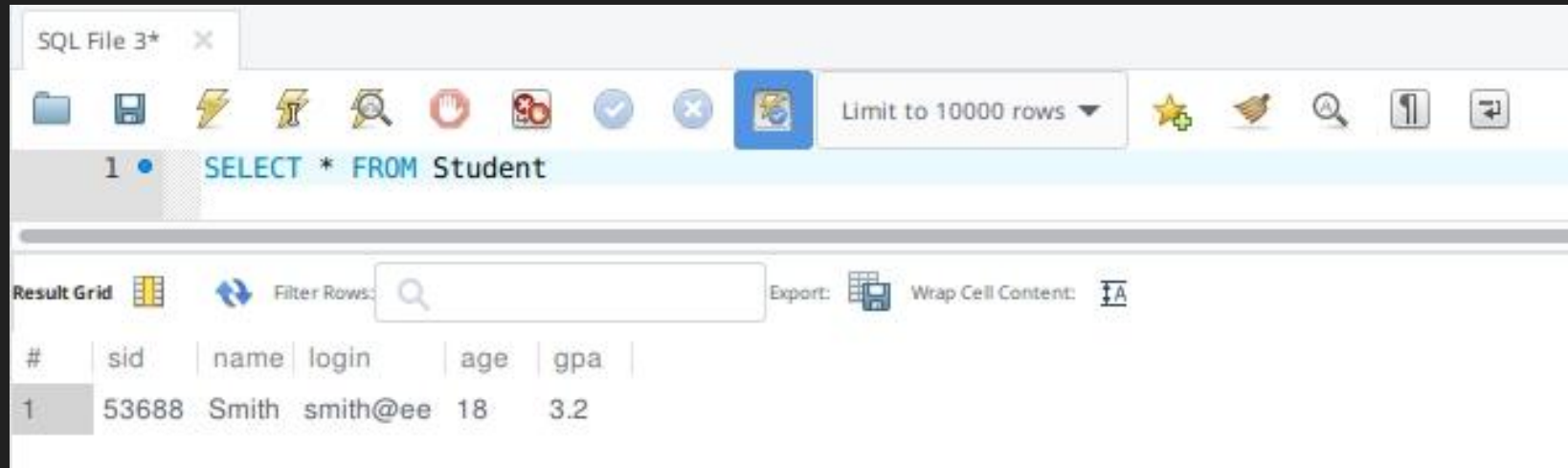
Run some test commands to interact with your new database

- Insert a tuple into your table



Run some test commands to interact with your new database

- Query for your newly inserted tuple



The screenshot shows a SQL client window titled "SQL File 3*". The query editor contains the SQL command `SELECT * FROM Student`. The results are displayed in a table with the following columns: #, sid, name, login, age, and gpa. The first row of data shows a student with sid 53688, name Smith, login smith@ee, age 18, and gpa 3.2.

SQL File 3* x

Limit to 10000 rows

1 • `SELECT * FROM Student`

Result Grid Filter Rows: Export: Wrap Cell Content:

#	sid	name	login	age	gpa
1	53688	Smith	smith@ee	18	3.2

Run some test commands to interact with your new database

- Drop your table

