Installing MySQL on Microsoft Windows

On the RAWDATA course we will use the MySQL database system in a distributed environment. We will need to access local as well as remote database servers to work with databases provided by these servers. **MySQL Workbench** is a convenient integrated tool that you can use to access local and remote servers and databases. The tool also supports design, development and administration of databases.
To create and support local databases you need in addition to install **MySQL Community Server**.

Installing MySQL Workbench and MySQL Community Server

To install **MySQL Workbench 6.3.10** and **MySQL Community Server 5.7.21** on your **Microsoft Windows** computer, follow the instructions below.

- Download and install the 64-bit version of Visual C++ Redistributable for Visual Studio 2013 from http://www.microsoft.com/en-us/download/details.aspx?id=40784
  (needed to run Workbench)
  From the MySQL website http://dev.mysql.com/downloads/mysql
  follow the first link **MySQL Installer 5.7 for Windows** (the recommended) and
  - download the **Windows (x86, 32-bit), MySQL MSI Installer**
- To the question ”Login Now or Sign Up for a free account” answer by clicking: “No thanks, just start my download.” (in the bottom of the page)
- Run the downloaded installer in your system
  - Choose custom
  - Unfold MySQL Servers (repeatedly), pick MySQL Server 5.7.19, select the 64-bit version and add this
  - Unfold Applications, then MySQL Workbench, select the 64-bit version and add this
  - Click Next and then Execute
  - Click Next, Next to reach Accounts and Roles
  - Choose a root password for your server and add yourself as a user (use default setting, just provide username and password)
  - Click next, next, next and then Execute

Start working with MySQL Workbench

- Start MySQL Workbench.
- Click on the +-sign to add a new connection.
- Give the connection a name, e.g. “islb_guest”, enter “islb.ruc.dk” as hostname, 3306 as port-name and “guest” as username. Enter “movie” as default schema and press the OK-button.
- You have now created a connection the the MySQL server at islb.ruc.dk.
- To access the server simply from the Home-area click the button representing your new connection.
- To log in, use the password “guest”.
- You can try a simple query by entering it in the query area and pressing the lightning-button to run it. Use for instance:
  - SELECT * FROM movie.movie;

Start working with MySQL Community Server

- The server probably runs already (it starts automatically). If not, find the MySQL server under Services and start it from there.
- Start MySQL Workbench.
- Click on the +-sign to add a new connection.
- Give the connection a name, enter “localhost” as hostname, 3306 as port and add the user that will access the database through this connection.
- If you need to add a password to root, change passwords or add user accounts, click on “Users and Privileges”.

- Finally, to create a database with the tables of the University database from our textbook, click on Data Import/Restore. Download the file university_database.sql from the moodle page to your local computer. Choose “Import from Self-Contained File”. Give your local university database-version a name (for instance “university”) by clicking the “New” button. Finish by clicking “Start Import”.
- You can now try in a query tab to get the names of all departments
    - SELECT dept_name FROM university.department;