Pycharm and Database Access Documentation

**Pycharm Setup**

1. Configure the remote interpreter
   1. File->Settings
   2. Project: UCB-Dementia-Tech->Project Interpreter
   3. Click on the gear wheel in the upper right hand corner and select “Add Remote”
   4. Fill out the fields with the following information:
      1. Host: 169.230.163.198
      2. Port: 5282
      3. User name: brad
      4. Password: moxie100
   5. Hit okay and let pycharm setup the remote interpreter
   6. Make sure the remote interpreter is selected in the project interpreter drop down menu and click OK
2. Configure Automatic Deployment
   1. Tools->Deployment->Configuration
   2. Click the green plus mark in the upper left-hand corner
   3. Name should be UCSF and type is SFTP
   4. Now fill out the following fields:
      1. SFTP host: 169.230.163.198
      2. Port: 5282
      3. Root Path: /home/brad/UCB-Dementia-Tech
      4. User name: brad
      5. Password: moxie100
   5. Now go to the “Mappings” tab
   6. Under Deployment path on server “UCSF”, set it to /
   7. Finally, make sure that the server icon with the green checkbox is selected in the upper left hand corner and click okay
   8. You can now go to tools->Deployment->Upload To UCSF
   9. I would bind this to a shortcut key so you don’t have to go through the menus each time
3. Configure the program to run:
   1. Go to Run->Edit Configurations
   2. Click the green plus icon in the upper right hand corner
   3. Select Python from the dropdown
   4. Fill out the following fields:
      1. Name: Name of the script you want to run
      2. Script: Local path to the script you want to run
      3. Python Interpreter: Dropdown to the remote interpreter
   5. Now upload the file to the remote host and run the program like you normally would
   6. Make sure to re deploy the file to the UCSF server every time you make changes

**MySQL Workbench Setup**

1. On the opening screen, click the plus button next to MySQL Connections in the top left corner
2. Fill out the following fields:
   1. Connection Name: UCSF MySQL
   2. Connection Method: Standard TCP/IP over SSH
   3. SSH Hostname: 169.230.163.198:5282
   4. SSH Username: brad
   5. SSH Password: moxie100
   6. MySQL Hostname: 127.0.0.1
   7. MySQL Server Port: 3306
   8. Username: Brad
   9. Password: moxie100
3. Test the connection to make sure the parameters are correct and hit okay
4. It will create a new connection box. If you click it, it will take you to a session where you can execute MySQL commands.