

JetBrains Suite Introduction

To check if your code can successfully compile, you are supposed to run all code in openlab machine. However, copying all the code or editing the file using vim on openlab machine before each test can be a large and trivial workload. We highly recommend you to learn and try the JetBrains IDEs. They are: IntelliJ IDEA for Java, CLion for C++, and PyCharm for Python.

Apply for Free Educational License

A UCI current student can get a free educational license for these IDEs.

Steps:

1. Go to the website of your IDE:
CLion: <https://www.jetbrains.com/clion/download/>
PyCharm: <https://www.jetbrains.com/pycharm/download/>
IntelliJ: <https://www.jetbrains.com/idea/download/>
2. Download the Ultimate/Professional version. While downloading, go to <https://www.jetbrains.com/student/> and apply for an educational license.
3. When the application is proceed and passed, you can login the IDE with your JetBrains account and enjoy your free use.

Work remotely

You will need to run your code on openlab machines. PyCharm and CLion offer the feature of using a remote interpreter.

Here are the official tutorials:

PyCharm: <https://www.jetbrains.com/help/pycharm/configuring-remote-interpreters-via-ssh.html>

CLion: <https://blog.jetbrains.com/clion/2018/09/initial-remote-dev-support-clion/>

Set script parameters

You might need to run your code in different modes, which is represented as variables you pass in when you run it with command line.

Tutorial:

PyCharm: <https://stackoverflow.com/questions/33102272/pycharm-and-sys-argv-arguments>

IntelliJ: <https://www.jetbrains.com/help/idea/run-debug-configuration-application.html>

See program arguments.

CLion: <https://www.jetbrains.com/help/clion/run-debug-configuration-application.html>

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