

How to Download and Set up the Dark Blue Chess Engine

Setting up Java:

Since this is a Java program, the computer you run this on must have the latest version of the Java Development Kit (JDK) installed. Go to the official Oracle website to download it. Follow the instructions at <https://www.oracle.com/java/technologies/javase-downloads.html> and then come back here. You may need to create an Oracle account before downloading.

Setting up Eclipse:

This program was written and made runnable using the Eclipse Integrated Development Environment (IDE). Go to <https://www.eclipse.org/downloads/packages/> and select either **Eclipse IDE for Java Developers** or **Eclipse IDE for Enterprise Java Developers (includes Incubating components)**. It does not matter which one you choose, as long as it says “Java”. Download this program according to your operating system’s instructions and then run it.

If this is your first time using Eclipse, the program will ask you to build a workspace. You can either use the default location and name or choose your own.

In Eclipse, click on “Window”, then click “Preferences”. A new window should pop up. Expand the “General” tab on the top left, then scroll down and click “Workspace”. Scroll to the bottom. The text file encoding should say “UTF-8”. If it doesn’t, click the radio button that says “Other” and then select “UTF-8” from the dropdown menu. Click “Apply” and then “Close”.

Downloading the Program:

Go to <https://github.com/ryanking0720/DarkBlue> and click the green button at the upper right that says “Clone or download”, then click “Download ZIP”. Follow your operating system’s instructions with downloading files.

Go to whichever folder on your computer downloads are saved in and extract all the files.

Navigate to the File menu, then click “Import Projects from File System or Archive”. Now click “Directory...”. Navigate to the directory where you extracted the files and then select it. Click “Next”. Navigate to the next screen.

Running the Program:

To run the program, open the project folder, then navigate to the package called `com.DarkBlue.GUI`, then open the file called `"DarkBlue.java"`. Click on the green play button at the top of the window that should say `"Run DarkBlue"`. If it asks, run it as a **Java application**, not a JUnit test.