Setup for C/C++ on Linux

Robot.cc is the source code.

The code is written and compiled under g++ 4.8.1.

Compiling and running without using IDE (Integrated Development Environment)

1. Install the g++ (e.g., Ubuntu).

    ```
    sudo apt-get install build-essential
    ```

2. Start the Shell command.

3. Change the current directory to where the source code is located.

4. Compile the source code using:

    ```
    g++ robot.cc -o robot
    ```

5. An executable file would be created. Execute the program using:

    ```
    ./robot
    ```

Compiling and running using IDE

You may also use eclipse or other IDEs to facilitate your development process. Please Google to find the eclipse usage.

Setup for Java on Windows (or Linux)

Robot.java is the source code.

Robot.class is a compiled file and can be run on Java virtual machine.

The code is written under Java 6 and has been tested under both Java6 and Java 7.

Compiling and running without using IDE

Make sure that Java SDK (Standard development kit) is already installed in the system. If not, you can download it from Oracle. Noted that Java JRE (Run time environment) is not the same as Java JDK as JRE does not contain"javac.exe" and hence cannot compile Java source code.

1. Find the "javac.exe" in your system. Usually it can be found in "c:\Program Files\Java\jdk1.7.0_03\bin\". The path can be different for different Java version installed.

2. Start the Command Prompt by running "cmd" in the Windows Run.

3. Change the current directory to where the Java source code is located.

4. Compile your Java source code using:

    ```
    javac robot.java
    ```

5. Make sure the directory contains the "robot.class" file. To run the program:

```
java robot
```

Compiling and running using IDE

Instead of compiling and running the Java programs using the command prompt, you can also use some Java IDEs to facilitate your development process. Popular Java IDEs include NetBeans and Eclipse.

NetBeans:

There is a [JavaNetBeansbundledpackage](#). Installing the package will setup both the Java and the NetBeans IDE.

Eclipse:

To install eclipse, make sure you have the Java SDK installed. Then [download](#) and extract the package and run eclipse.exe.

Setup for Python on Windows (or Linux)

Robot.py is the source code.
The code is written and tested using Python 2.7.2.

Compiling and running without using IDE

1. Download and install Python (version 2.7.x is recommended) from [python.org](#).
2. Start the Command Prompt by running "cmd" in the Windows Run.
3. Change the current directory to where the source code is located.
4. Execute the source code using:

```
python robot.py
```

Compiling and running using IDE

You may also use IDLE (Python GUI) to compile and run the source code. It is installed with Python Windows installer.