Comp 110/401
Appendix: Installing and Using Bare Bones Development Environment on Windows

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INSTALL LATEST JDK AND JRE

Look at Install JDK Documentation
CREATE FOLDER FOR ALL JAVA PROJECTS YOU CREATE

You can create this folder in any existing folder on your computer.

A folder is another word for a directory.

You do not have to use the command line to create folder.

The command line command to create folder is: `mkdir <folder name>` (mkdir Java)
In Java folder create project folder for this warmup exercise
In Project Folder Create Project-Source (src) and Project-Binary (bin) Folders
In Source Folder Create Source-Package Folder
USE COMMAND INTERPRETER TO CD TO SOURCE PACKAGE FOLDER

See command Interpreter documentation on CD and Pasting Text such as Folder Names in Command Interpreter
Use a Text Editor to Create New Source Java File

D:\devan_backup\Java\WarmupProject\src\warmup>notepad AGreeter.java
D:\devan_backup\Java\WarmupProject\src\warmup>
package warmup;
import java.io.BufferedReader;
import java.io.InputStreamReader;
public class AGreeter {
    static BufferedReader inputStream = new BufferedReader(new InputStreamReader(System.in));
    public static void main(String[] args) {
        System.out.println("Hello World");
        if (args.length > 0) {
            System.out.println(args[0]);
        }
        try {
            System.out.println(inputStream.readLine());
        } catch (Exception e) {
            System.out.println("Could not read line");
            e.printStackTrace();
        }
    }
}
**Compile Source File**

See Command Interpreter documentation on how to set PATH if you will use the barebones environment again.

Do not omit the space between bin and AGreeter.java.

The JDK binary folder name will be different on your computer.

```
D:\dewan_backup\Java\WarmupProject\src\warmup>"D:\Program Files\Java\jdk1.7.0_11\bin\javac" -d D:\dewan_backup/Java/WarmupProject/bin AGreeter.java
```
If you do not see the binary package folder or the binary file, and no errors were reported, check that you saved the source file (by say reopening it)
If you see the message saying the Java command was not found, then execute it the same way as you did javac – using the full file name with the JDK binary folder – and just replace javac with java in the full name you used.
INPUT A LINE

D:\dewan_backup\Java\WarmupProject\bin>java warmup.AGreeter
Hello World
Hi Hao
HIT ENTER AND SEE OUTPUT
Providing User Argument

D:\dewan_backup\Java\WarmupProject\bin>java warmup.AGreeter "Ca Va"
Seeing Echoed Argument

D:\dewan_backup\Java\WarmupProject\bin>java warmup.AGreeter "Ca Va"
Hello World
Ca Va

Echoed Argument
HIT CTRL-C TO TERMINATE PROGRAM WAITING FOR USER INPUT