**Installing Java**

1. Install the Demo Ubuntu VM using VirtualBox
2. Once launched, open a terminal on desktop and type ‘java -version’
3. If the OpenJDK version appears in the terminal skip to **Step 8**
4. Type ‘sudo app-apt-repository ppa:webupd8team/java’ The terminal should tell you what it’s downloaded.
5. Type ‘sudo apt-get update’ The terminal should tell you that it’s updated to the latest version
6. Type ‘sudo apt-get install default-jre'
7. Type ‘Y’ to continue the install
8. Java is installed, next is the Eclipse installation

**Installing Eclipse**

1. Go to <https://www.eclipse.org/downloads/> and click ‘Download 64-bit'
2. Click the download link on the following page
3. Open installer and follow instructions

**Server Manual**

1. Go to client directory
2. Open terminal within this directory
3. Type ‘javac Client.java’, once done keep this terminal open as it will be used to run the client once the server is online.
4. Open a terminal within the ds-sim directory and type ‘./ds-server -n -c <Config file name>’ Once this is successful the terminal should tell you that the server is waiting for a connection. An optional ‘-v all’ can also be used to see a more detailed version of where all the jobs are going.
5. Go back to the client terminal and type ‘java Client –a fastfit/cf’ Where ‘fastfit’ stands for Fast Fit and ‘cf’ stands for Cheap Fit. The scheduling algorithm should then run through on the ds-sim terminal and print out the results.