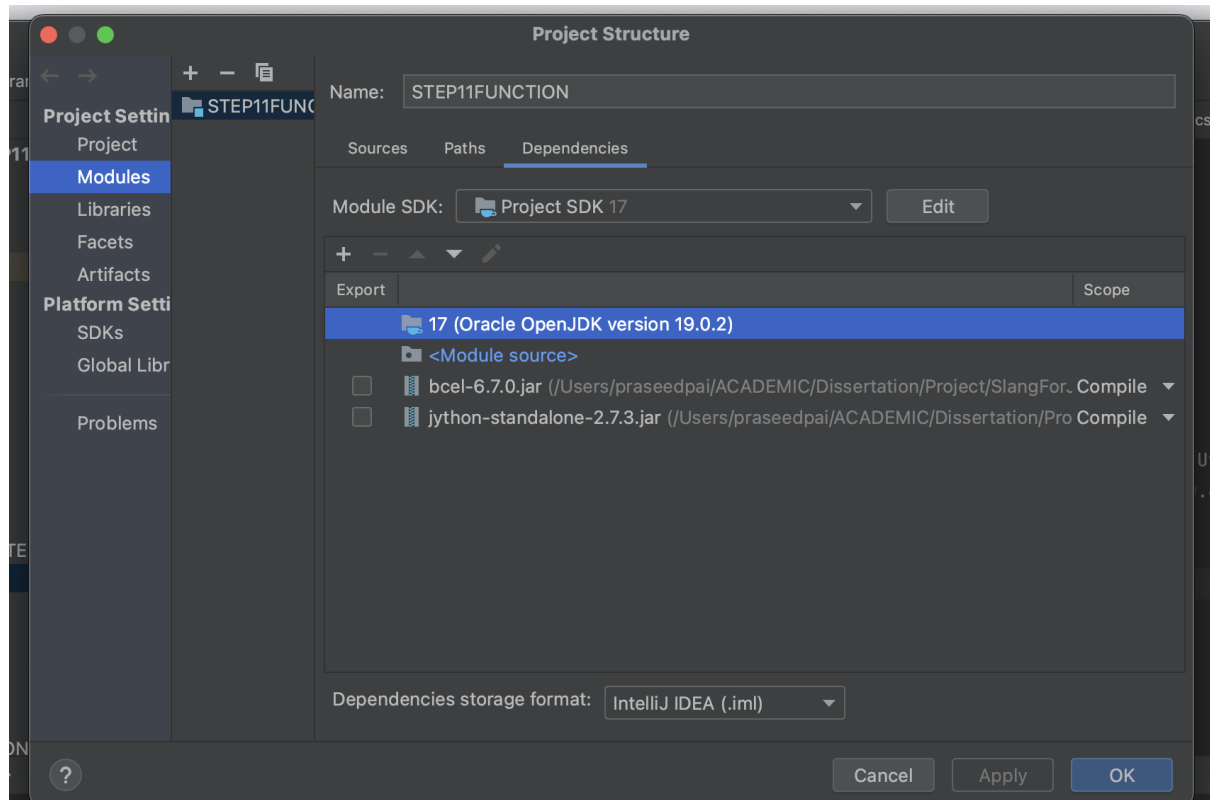Prerequisite
1. IntelliJIdea
2. Java 17 or above from Oracle
3. Jython library: jython-standalone-2.7.3.jar
4. BCEL Library: bcel-6.7.0.jar
5. GCC compiler 9.x or above

Copy the zip file "Dissertation.zip"
Install IntelliJIdea Community Edition
Open the folder "Dissertation" using IntelliJIdea
Copy the folder "Resources"
Update the commandline environment

Project Configuration: Run menu -> Edit Configurations -> Program-> Build and run
Edit the project configuration:
/Users/praseedpai/ACADEMIC/Dissertation/Project/Resources/DecisionTree.py
/Users/praseedpai/ACADEMIC/Dissertation/Project/Resources/Dataset.csv DataSet Java

My machine "Resource" folder is in /Users/praseedpai/ACADEMIC/Dissertation/Project/
replace with corresponding folder.

Project configuration expects four parameters
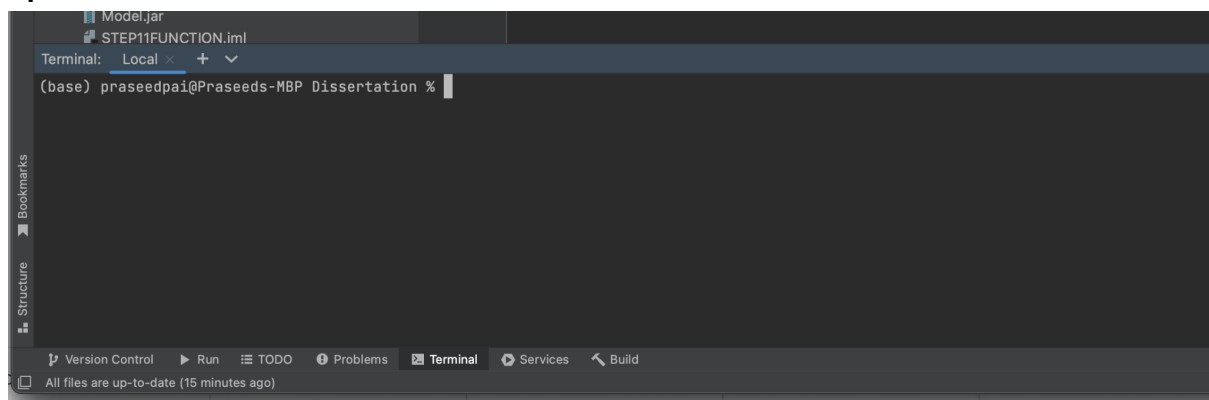1. Fully qualified path of the DecisionTree.py

2. Fully qualified path of the Dataset.csv
3. Name of the file (C or Java) to be generated. In this case "DataSet"
4. Type of the file (C or Java)
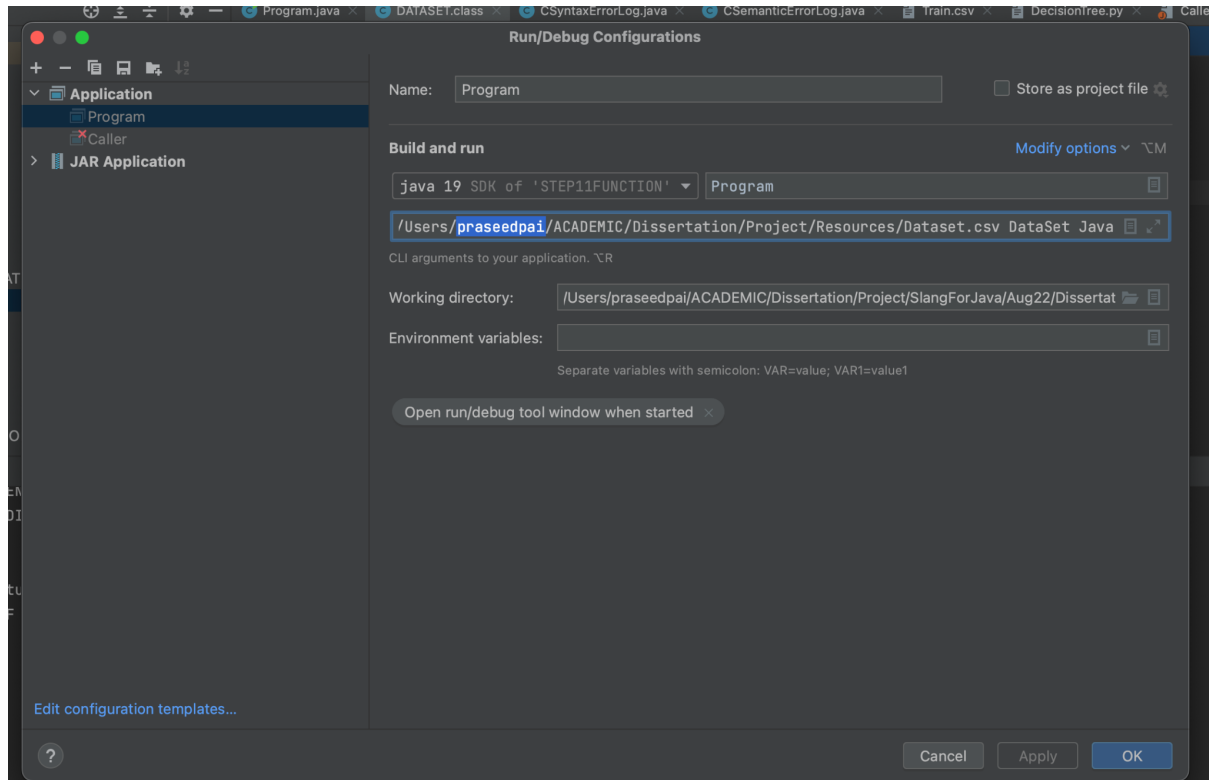
Run the application
This will generate DATASET.class or DATASET.cpp
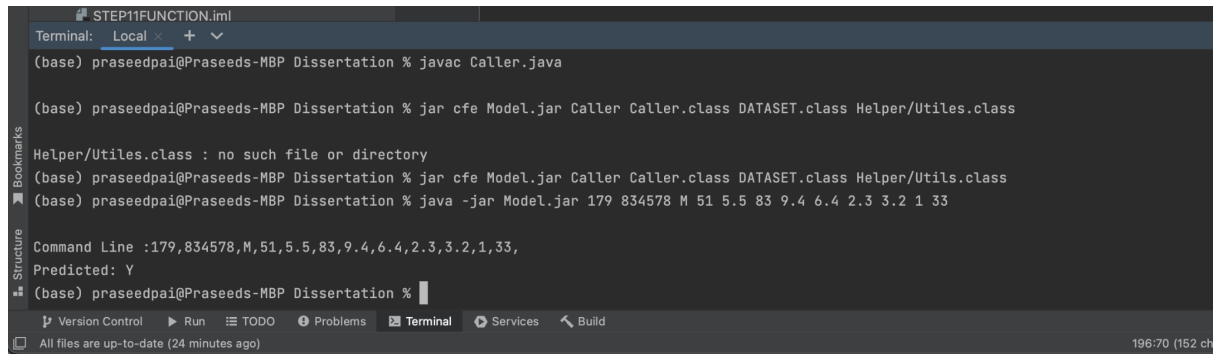
Open Terminal within the IntelliJIdea

For generating Jar file and Testing

javac Caller.java
jar cfe Model.jar Caller Caller.class DATASET.class Helper/Utils.class
java -jar Model.jar 179 834578 M 51 5.5 83 9.4 6.4 2.3 3.2 1 33
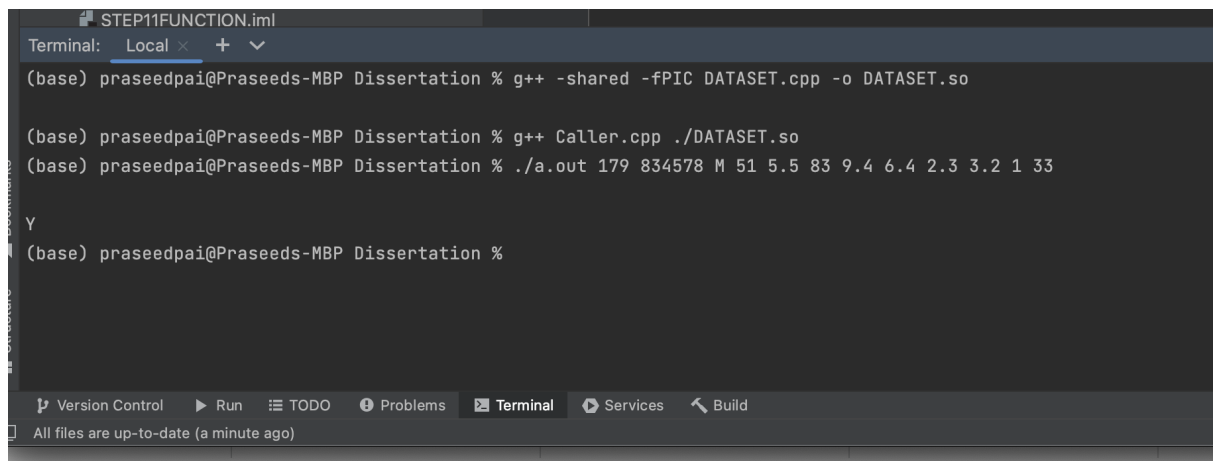
For generating C++ file and Testing

g++ -shared -fPIC DATASET.cpp -o DATASET.so
g++ Caller.cpp ./DATASET.so
./a.out 179 834578 M 51 5.5 83 9.4 6.4 2.3 3.2 1 33