**CS5100 - Weather Predictor**

**Team Information** : Neethu Prasad

Nidhi Gupta

**Description:**

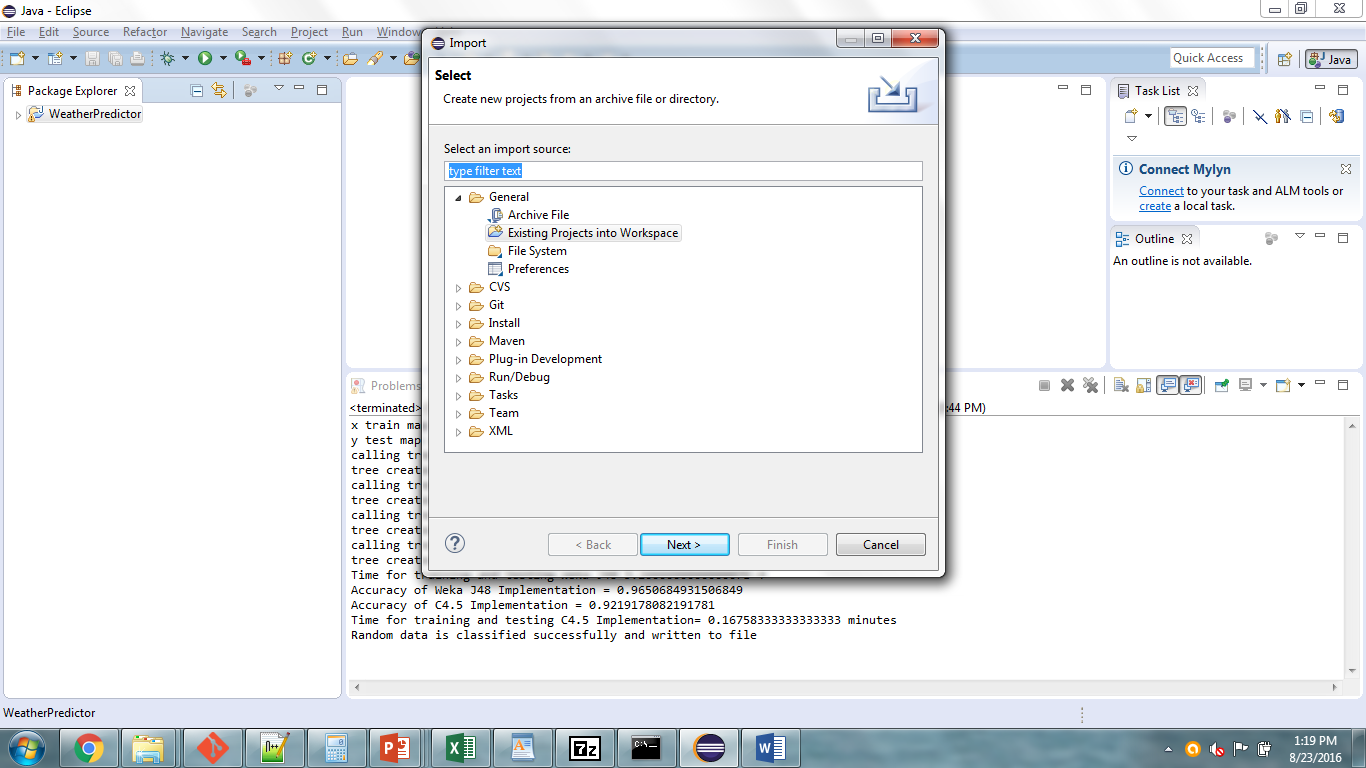
Predict the occurrences of various weather phenomenon like Rain, Fog, Snow, Thunderstorm using a decision tree classifier implemented using C4.5 algorithm suggested by Quinlan

Download the project folder from **https://drive.google.com/drive/folders/0B9m5qbswJ6giMHJZLVp3dER0Vk0**

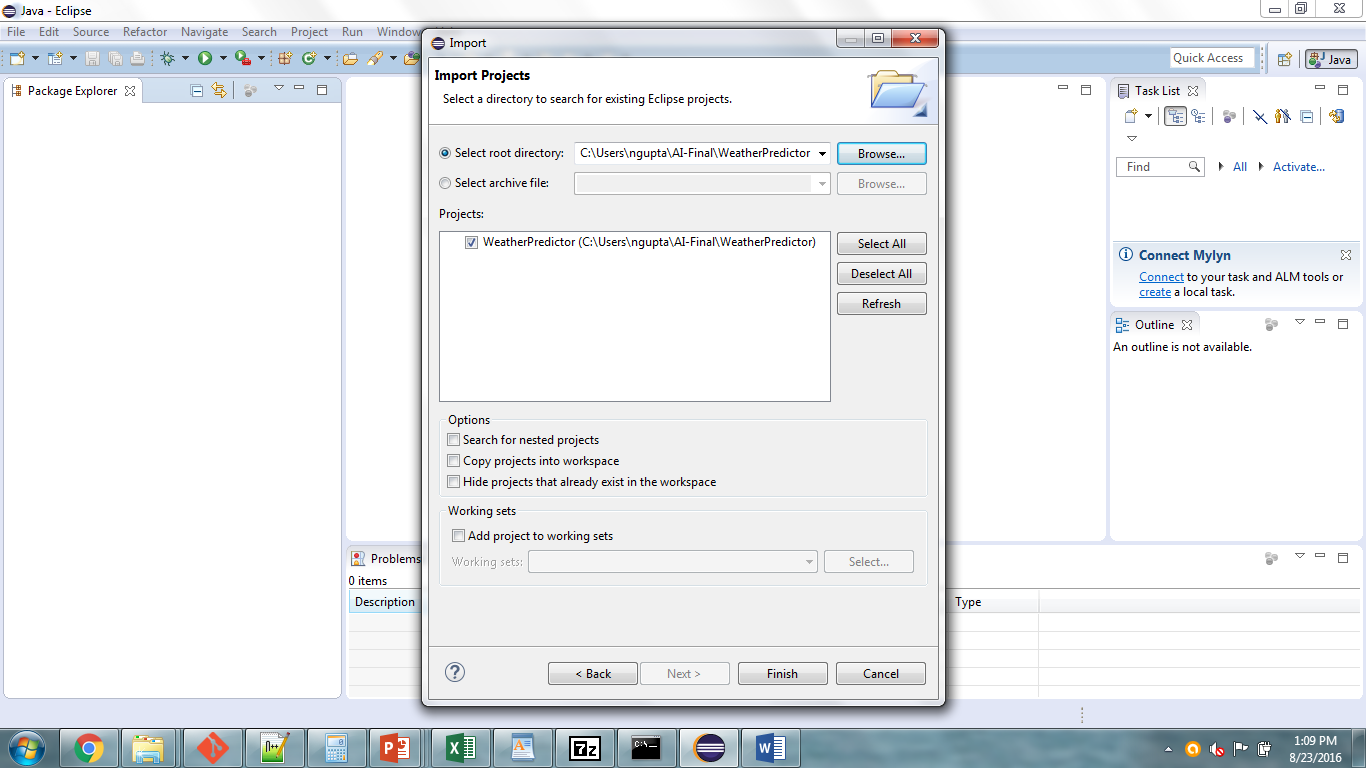
Extract the source folder (Weather-Predictor that contains the source Java and input files) from the zipped folder we just downloaded and save it to a convenient location on computer.

**Steps to execute the Weather Predictor Project from Eclipse**

1. After opening Eclipse IDE , go to **Imports** in **File** Menu and select **Existing projects into Workspace** inside **General folder**



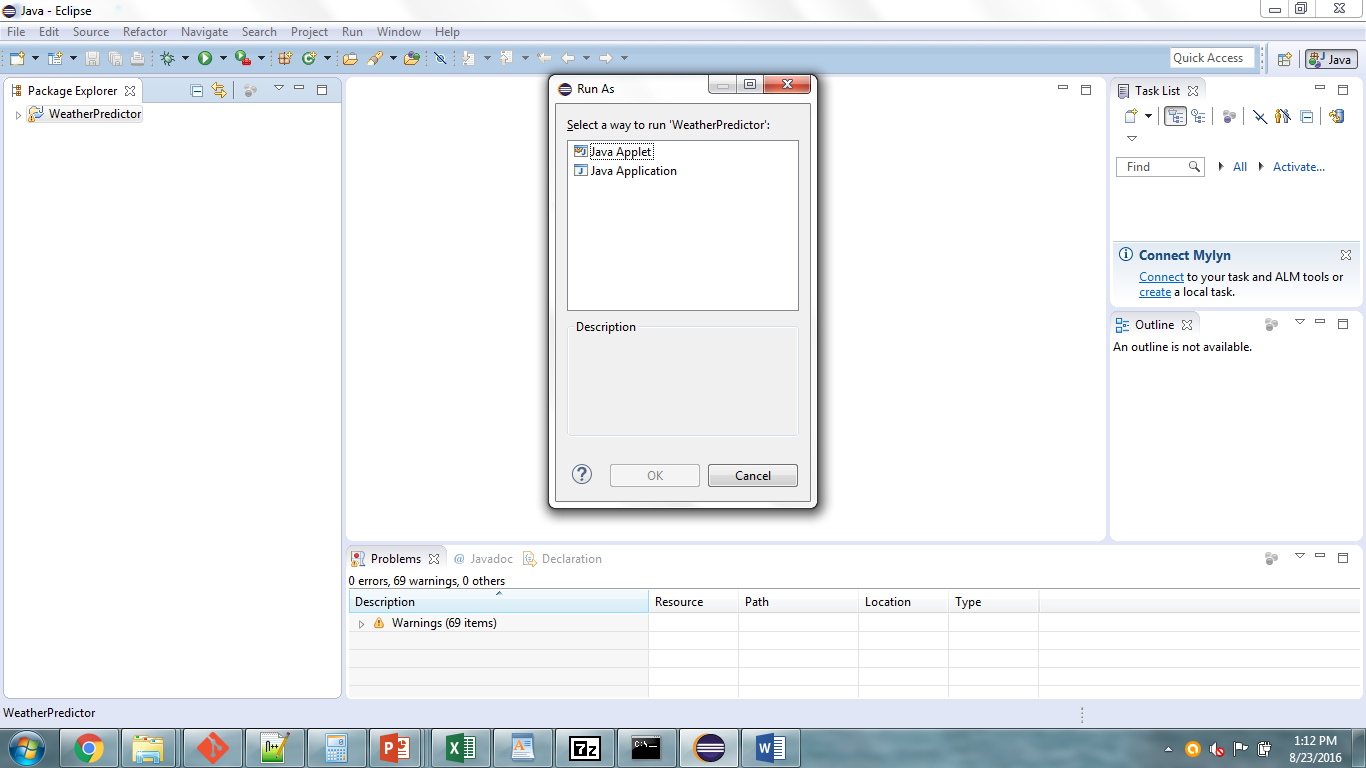
1. **Import Dialog box** is displayed .Select the **root directory** and browse to the folder **WeatherPredictor** we just extracted.



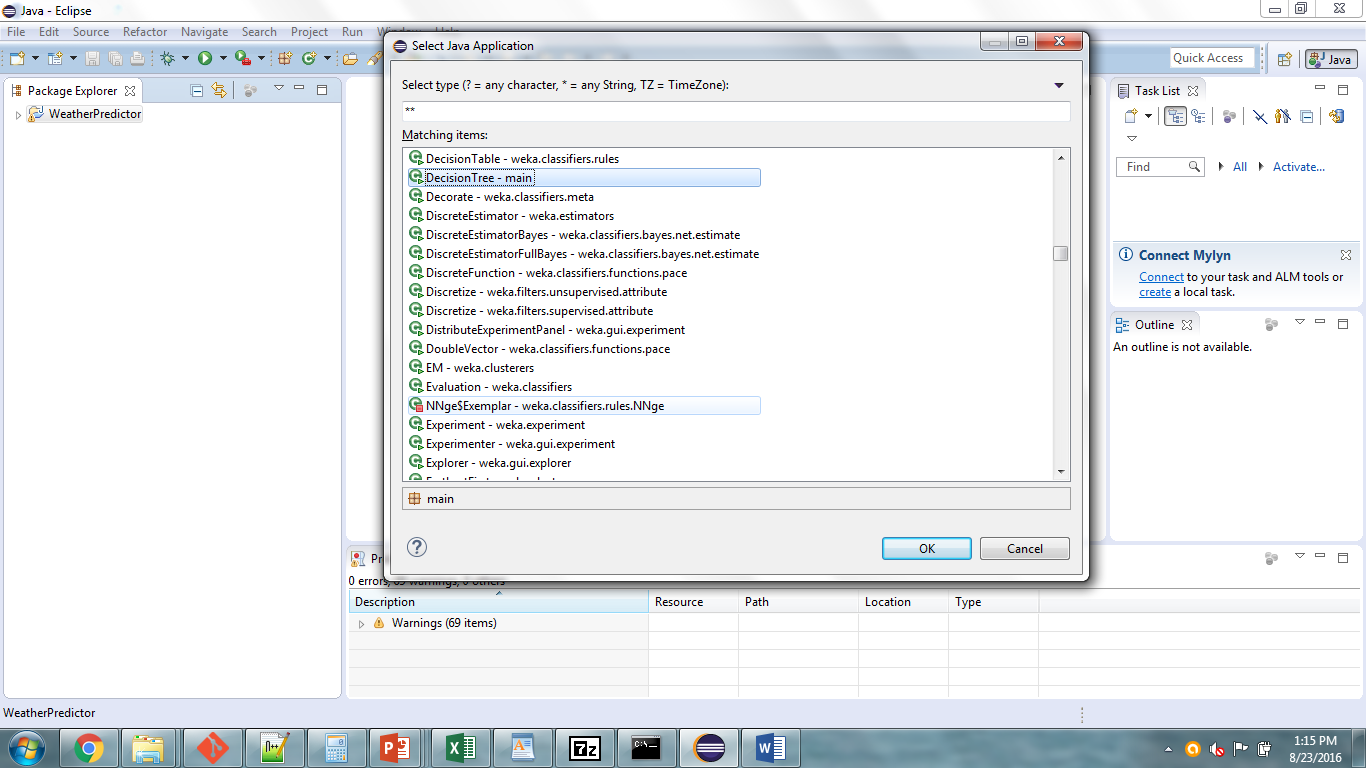
Click on **Finish**

3. Select the **WeatherPredictor** Project that gets created on **Package** **Explorer** and click on **Run**.

4. Click **Java Application** to run the project as a Java application and hit **Ok.**



5. Select **Java Application** dialog box appears, now select **DecisionTree-main** from the drop down menu, as this Java file holds the main method of our application.



Hit **Ok** to proceed

6. The Java project is then executed and prints the output (performance parameters like Execution time, Prediction accuracy) on console .Additionally an output.txt file gets created inside the java project that predicts the weather phenomenon for random data sent as input to the program