**CS5100 - Weather Predictor**

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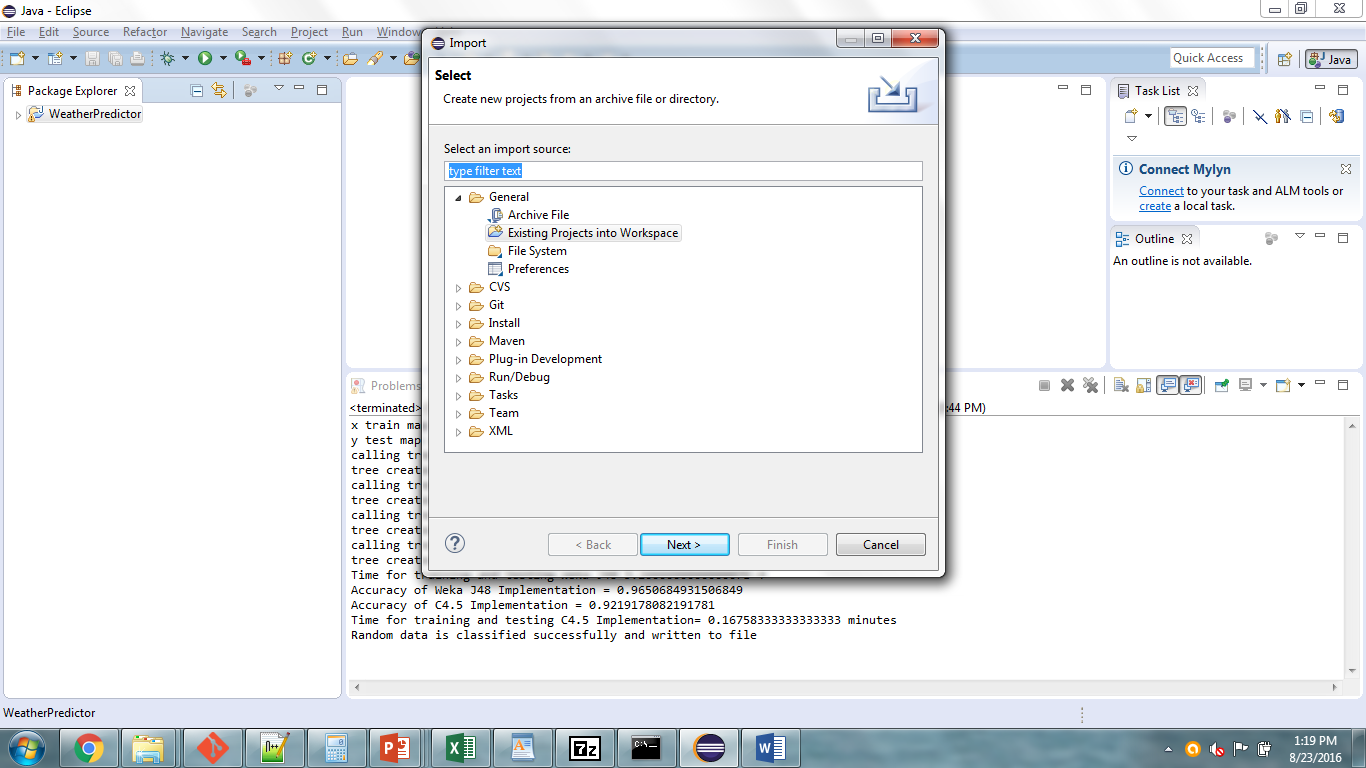
**Description:**

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

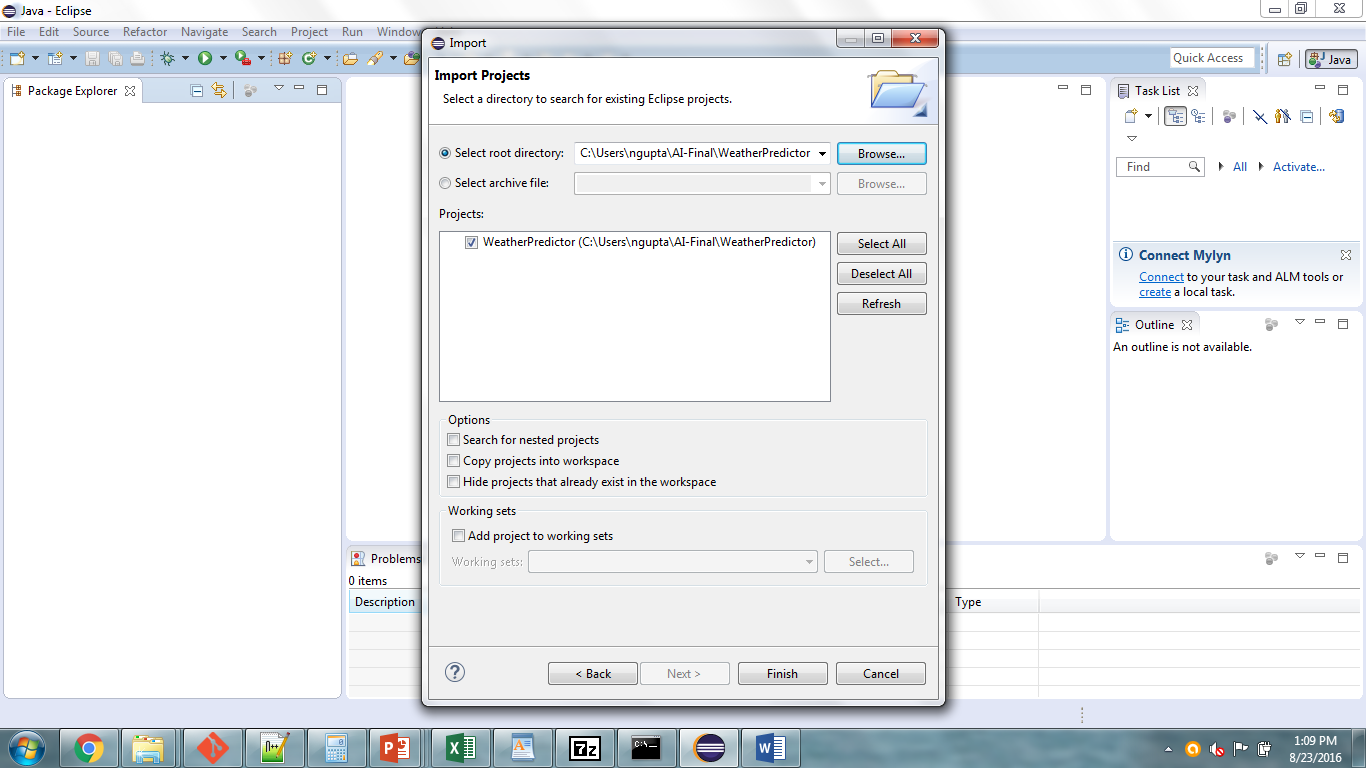
Extract the source folder (Weather-Predictor that contains the source Java and input files) from location - to a location on computer.

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

1. Go to Imports in File Menu and select Existing projects into Workspace inside General folder



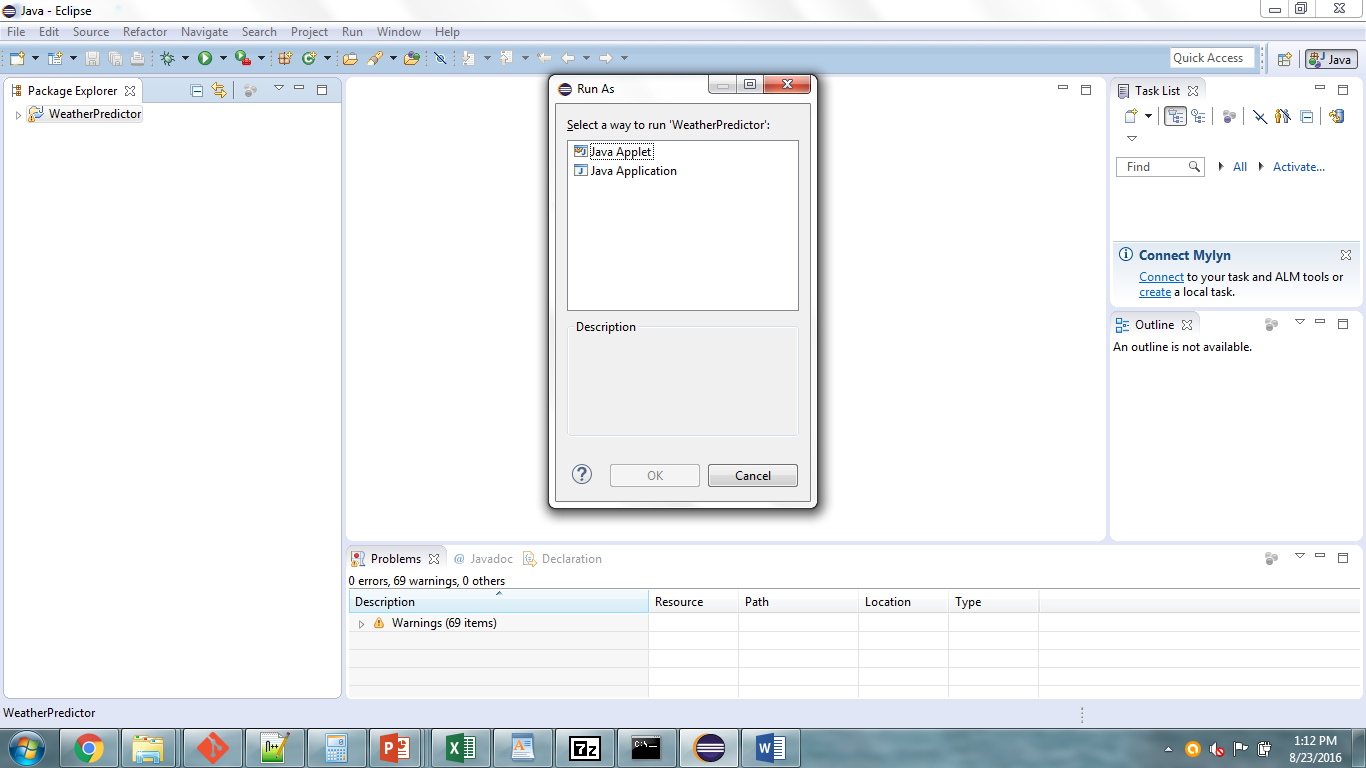
1. Import Dialog box is displayed .Select the root directory and browse to the folder WeatherPredictor we just extracted.



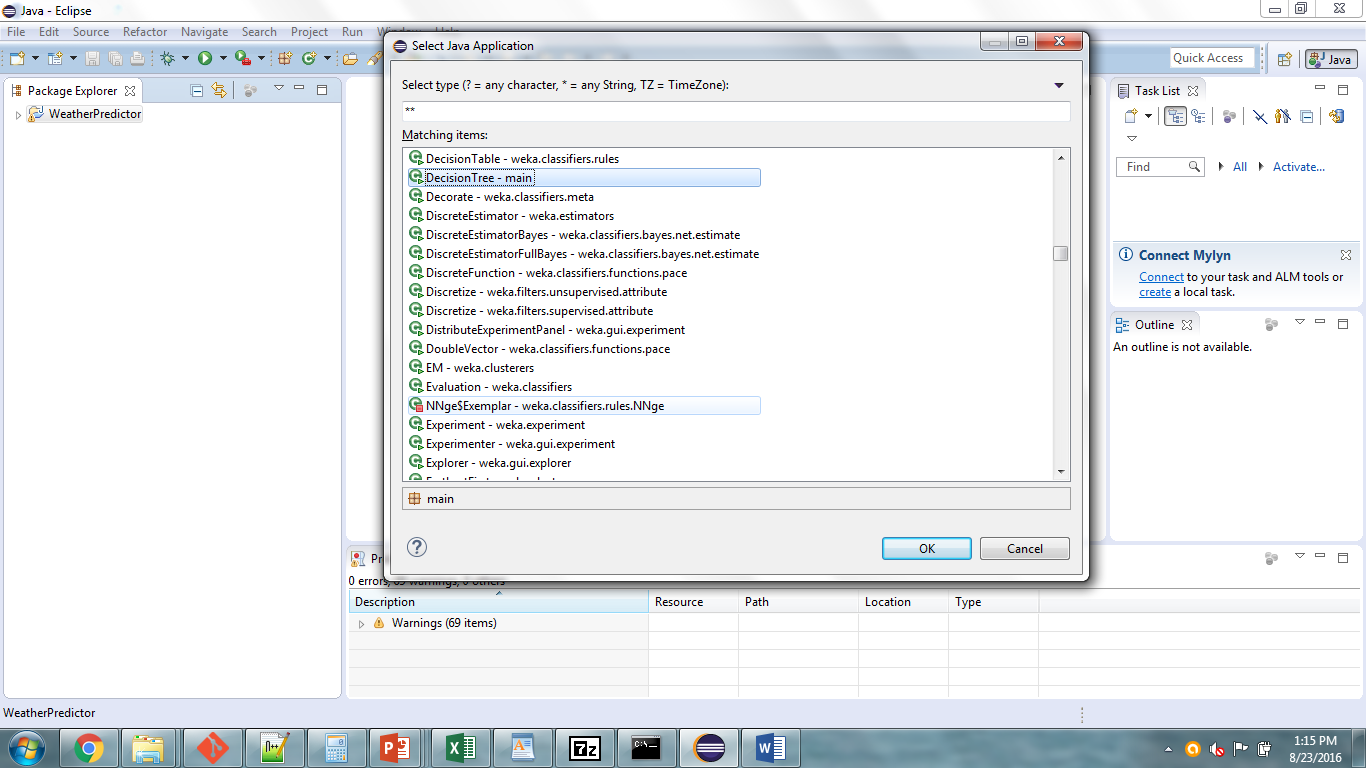
Click on Finish

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 in 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