**PROCEDURE**

**Prerequisites**

1: Apache NetBeans: Download Apache-NetBeans-13-bin-windows-x64. You can download it from netbeans.apache.org.

2: Java Development Kit (JDK): Download JDK if not already installed. You can download it from the official Oracle website.

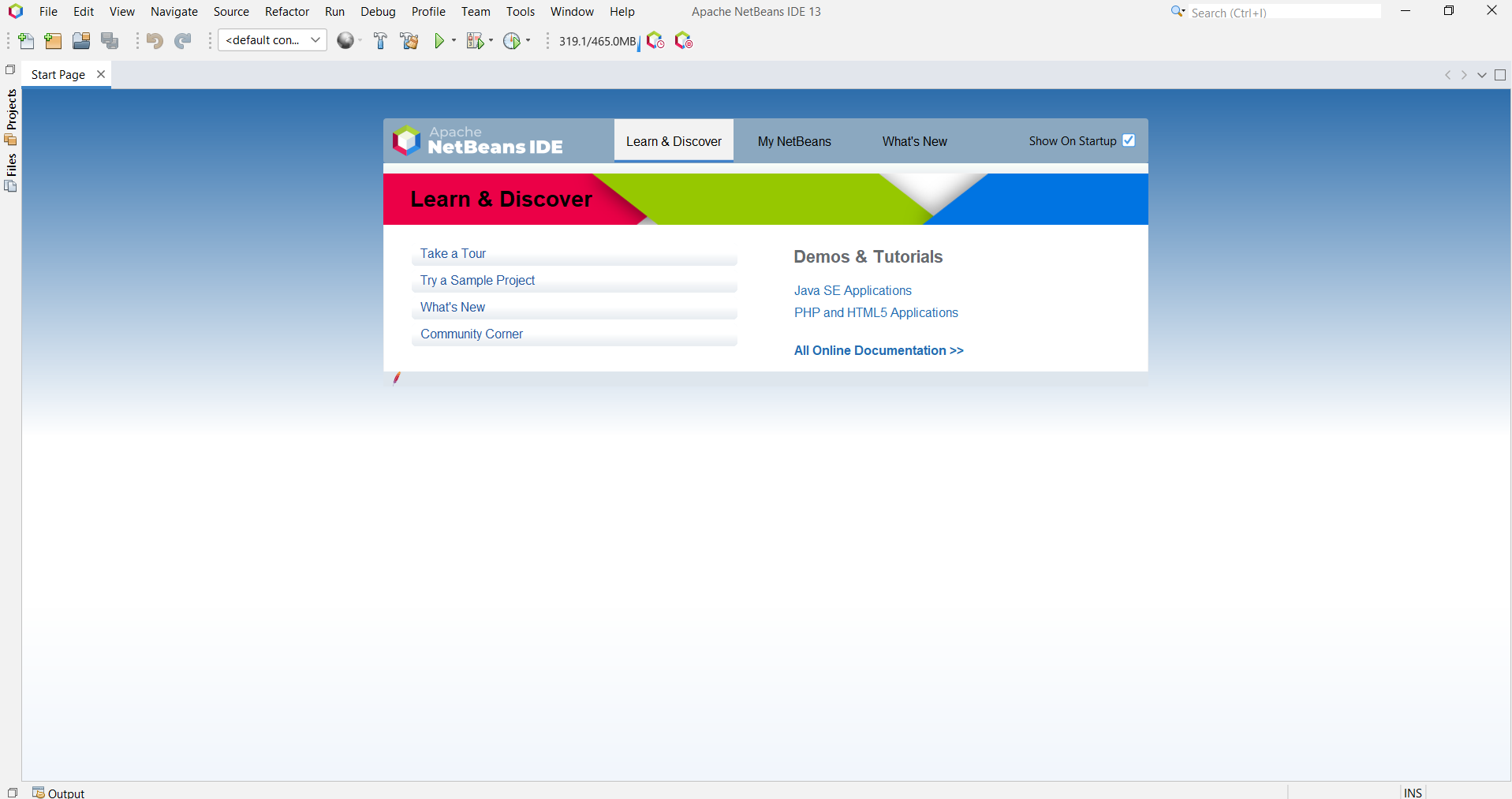
* Java Development Kit (JDK): NetBeans requires a JDK to be installed

3. Integrated Development Environment (IDE): This is optional but tools like Eclipse, IntelliJ IDEA, or NetBeans can simplify your coding and deployment.

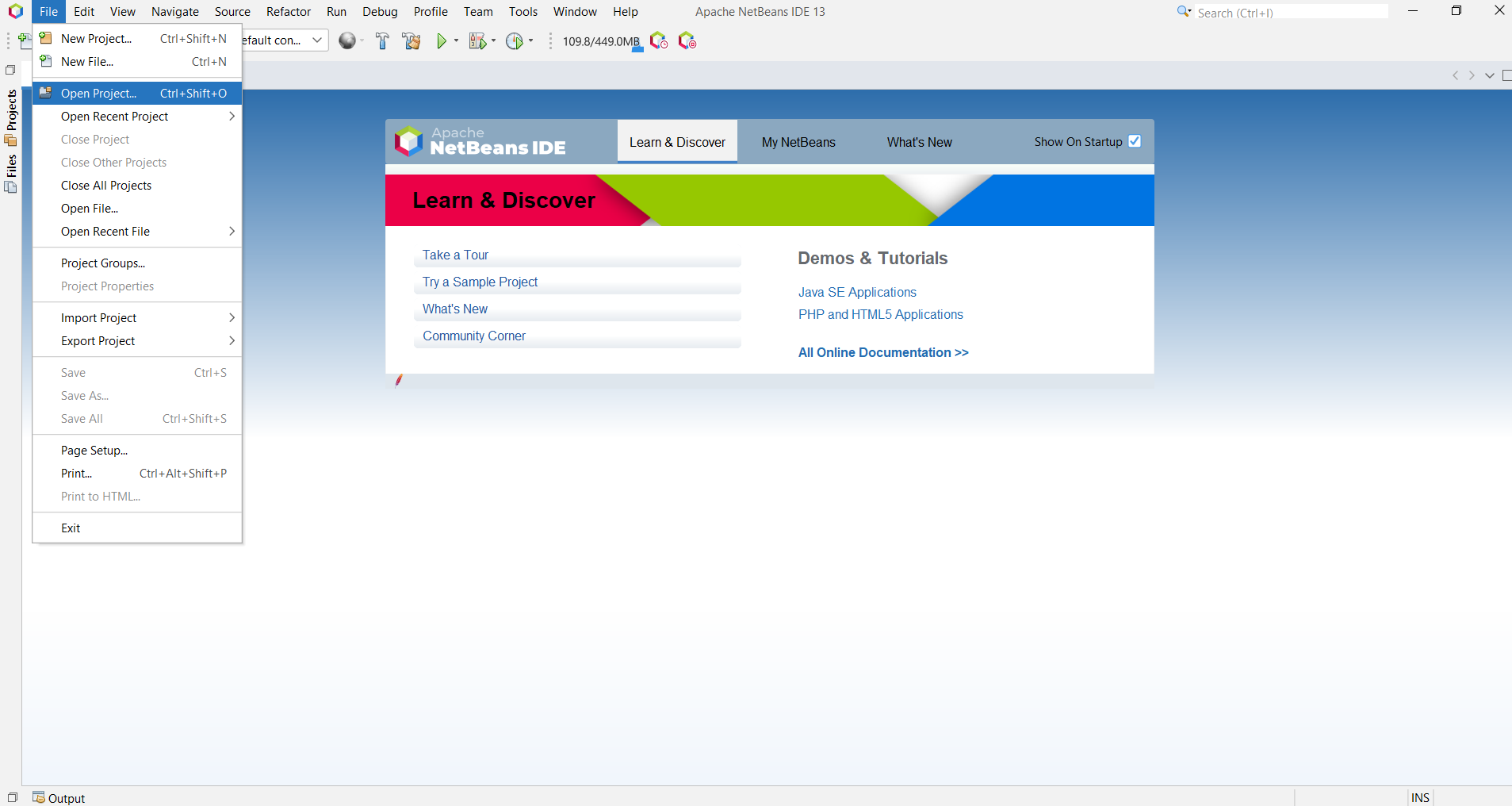
**Step 1:** Install JDK (jdk-8u144-windows-x64).

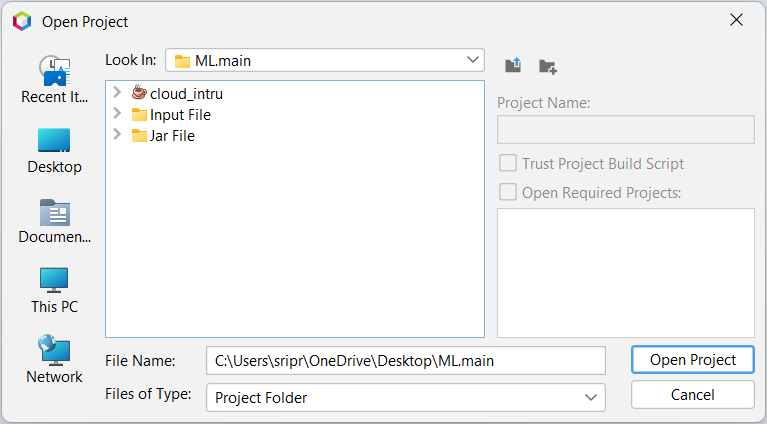
**Step 2:** Install Apache-NetBeans-13-bin-windows-x64.

**Step 3:** After installation launch Apache NetBeans

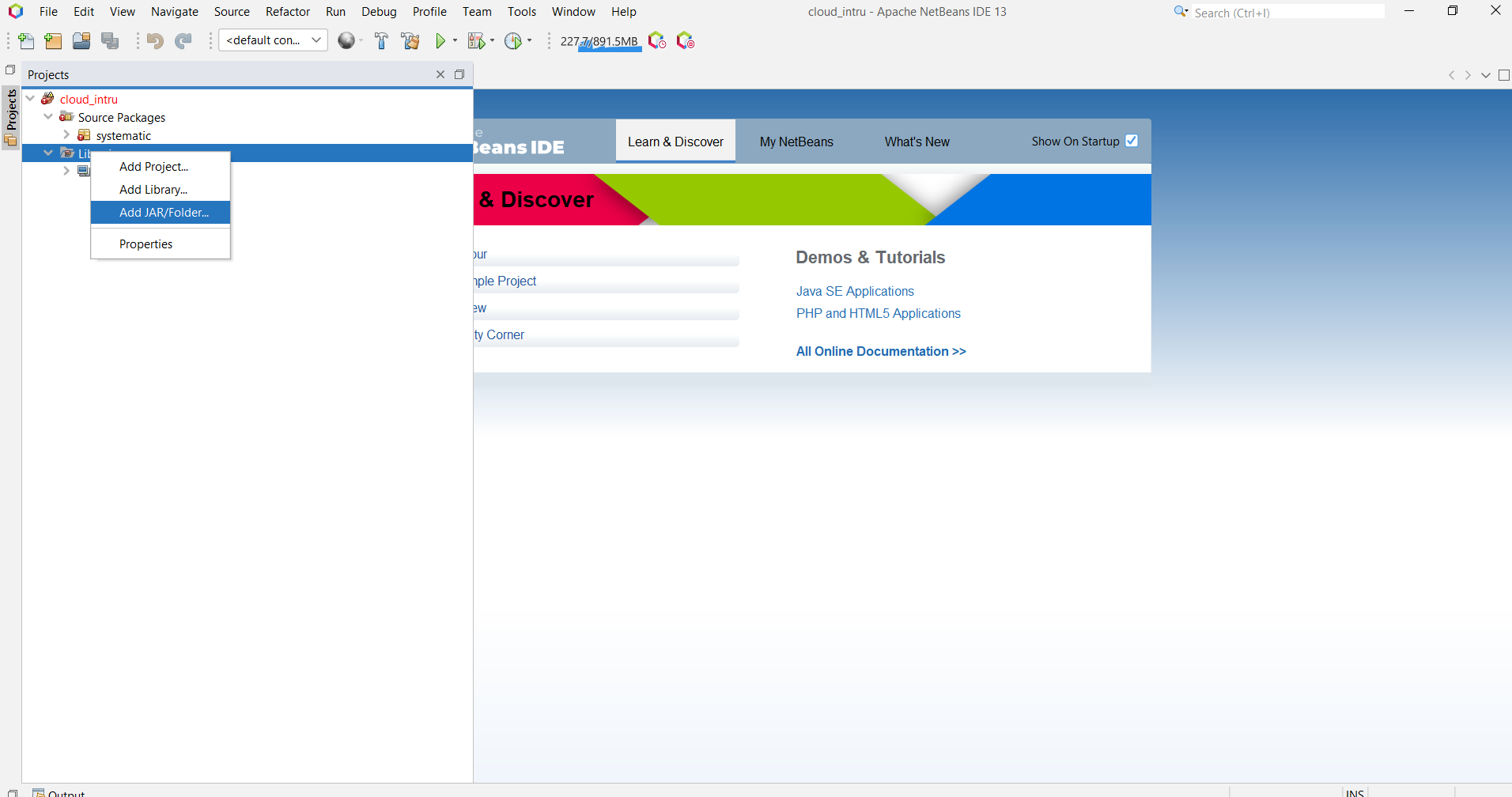


**Step 4:** Click the file menu then ->click the open project option ->select the ML.main folder.

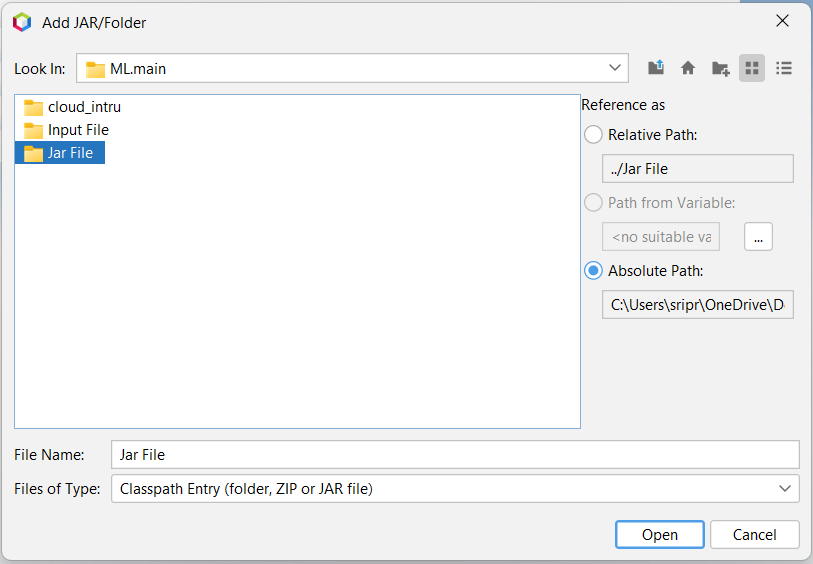


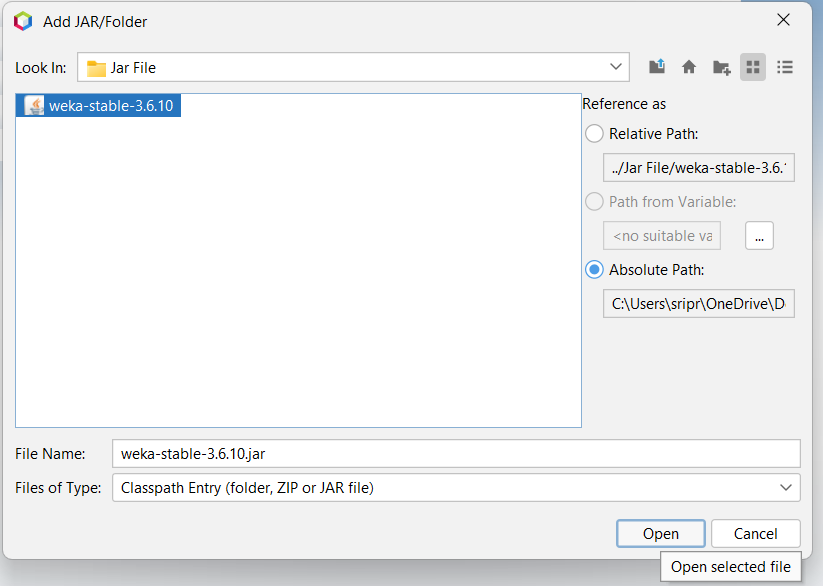


**Step 5**: **package installation:** To add a package using the library option, right click on “library” and then select “ADD JAR/FOLDER” from the menu



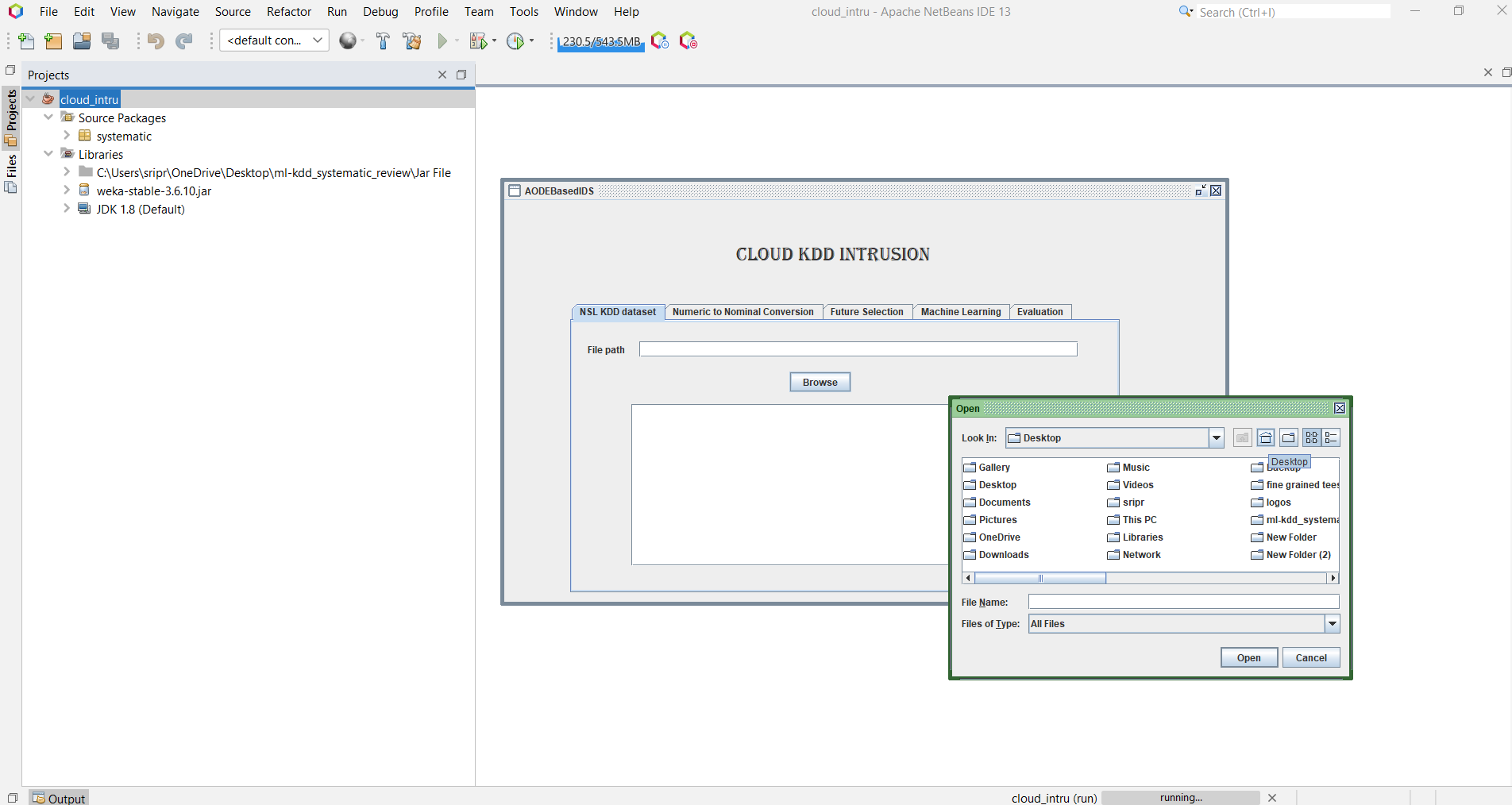
**Step 6:** select the ML.main folder ->jar file ->Weka-stable-3.6.10



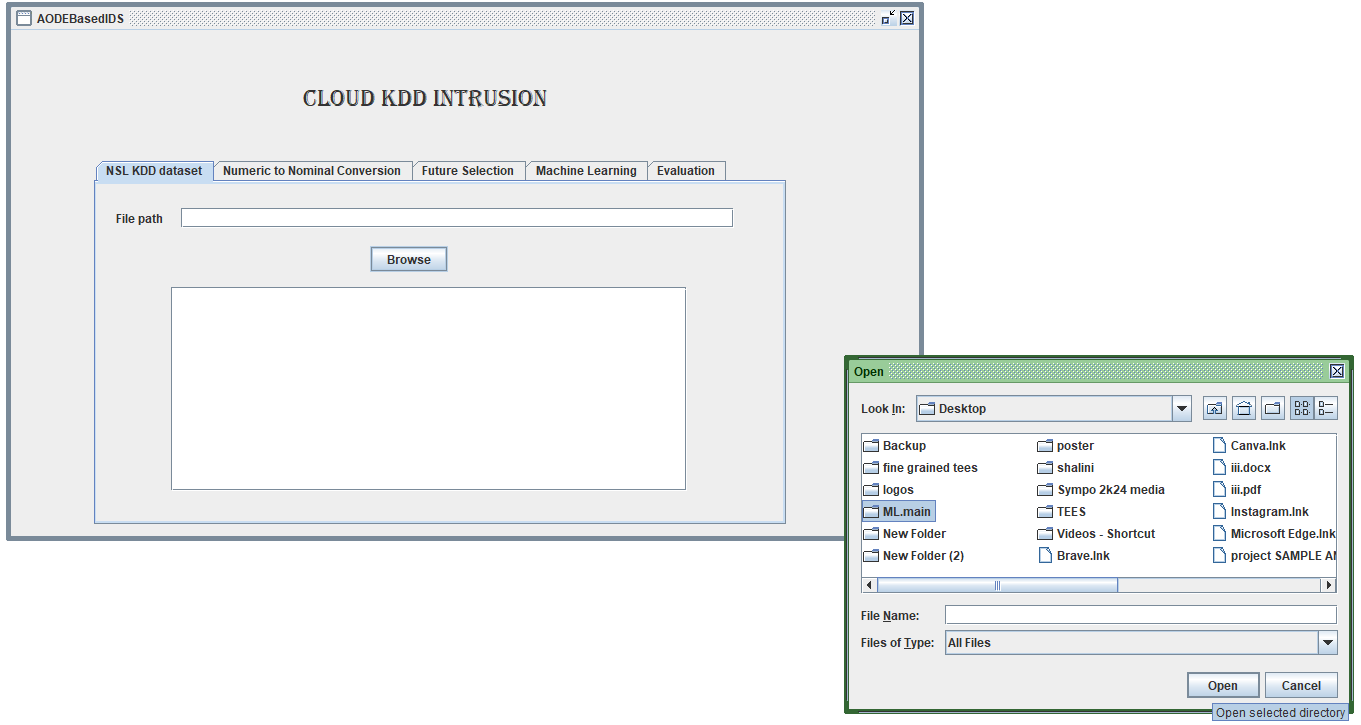


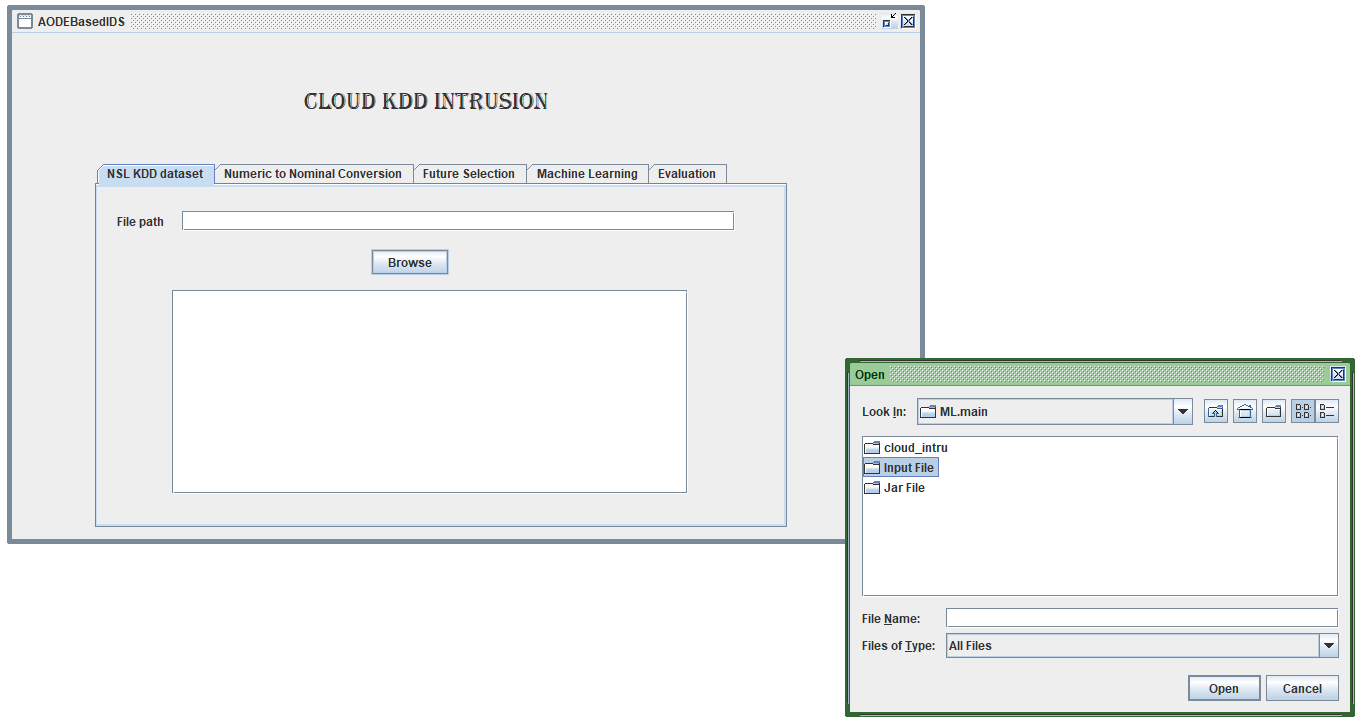
**Step 7:** After installing the Weka-stable-3.6.10 package, click on “cloud\_intru” and then press the “run” button to run the program

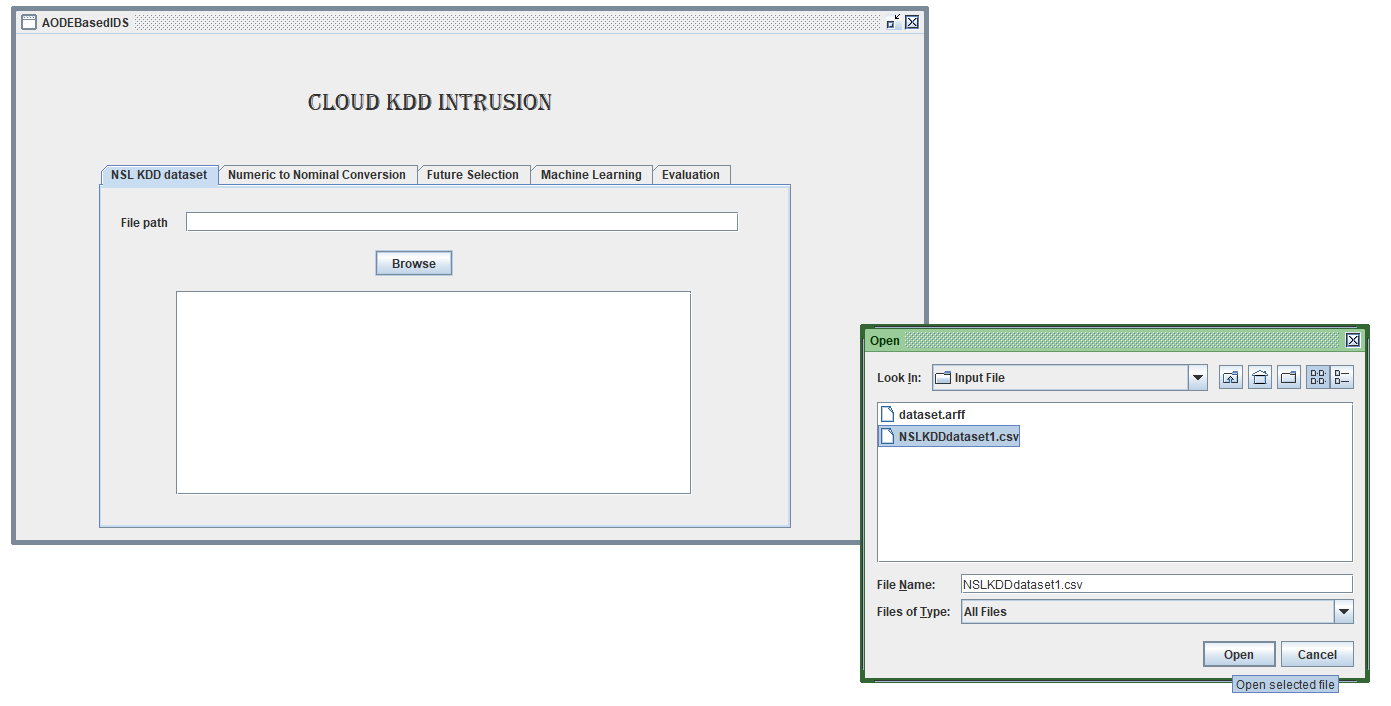
**Step 8:** click browse button to select a directory



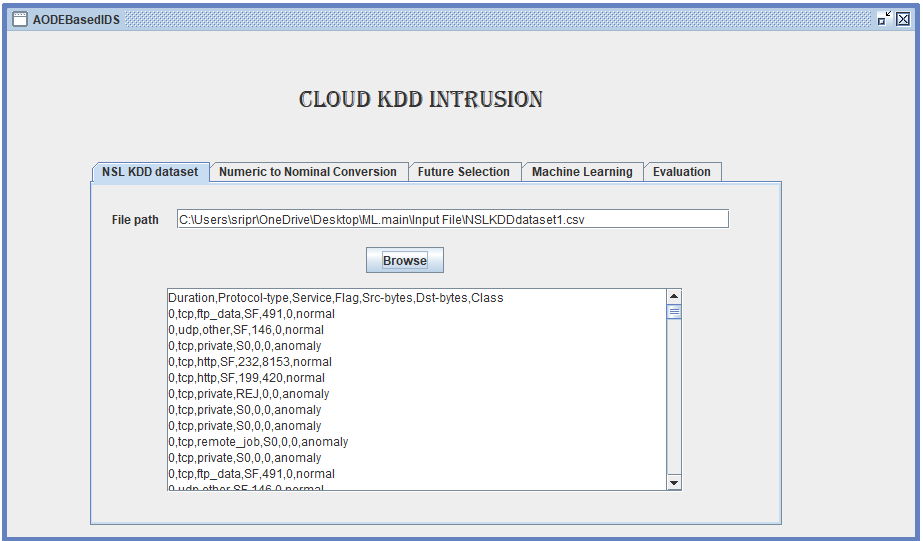
**Step 9:** press desktop->ML.main->input file->NSLKDDdataset.csv



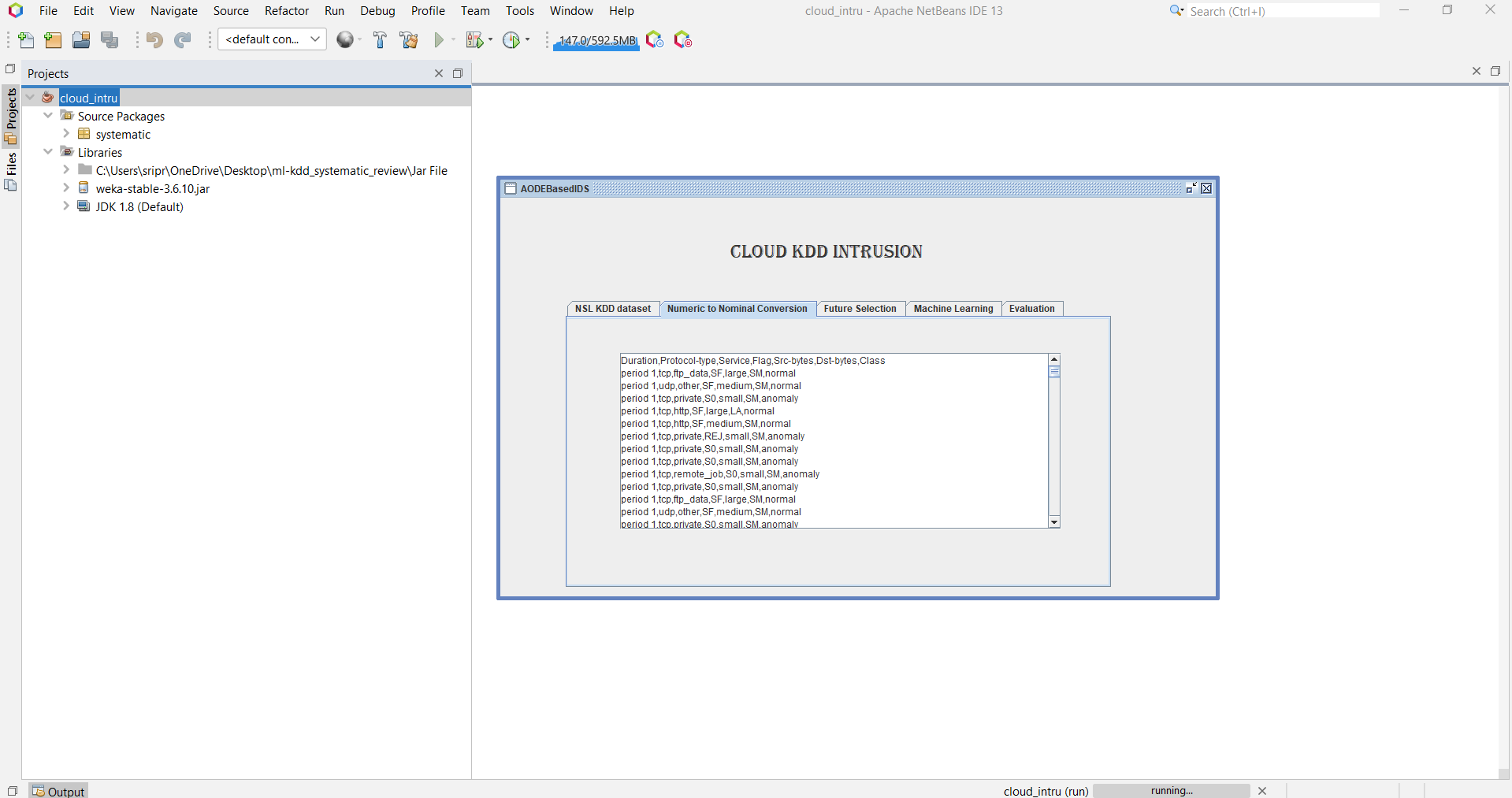




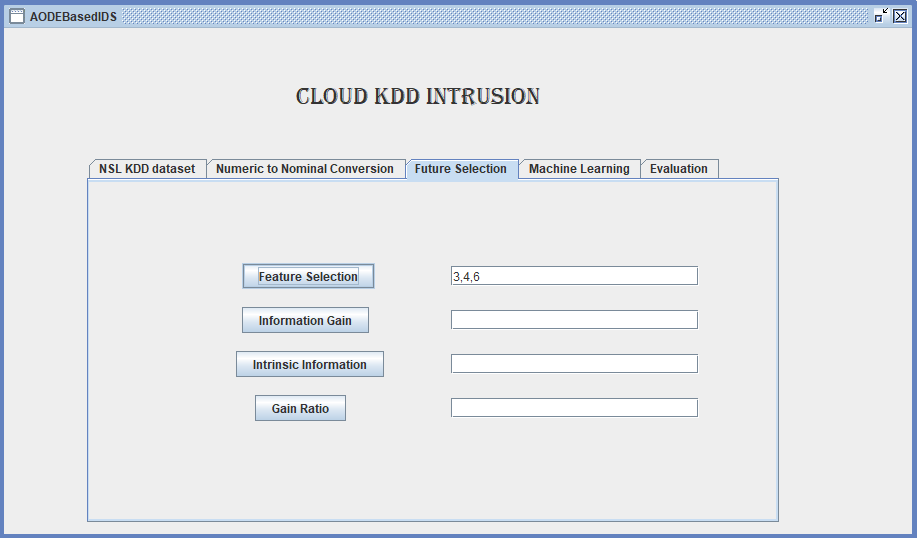
**Step 10**: open the file

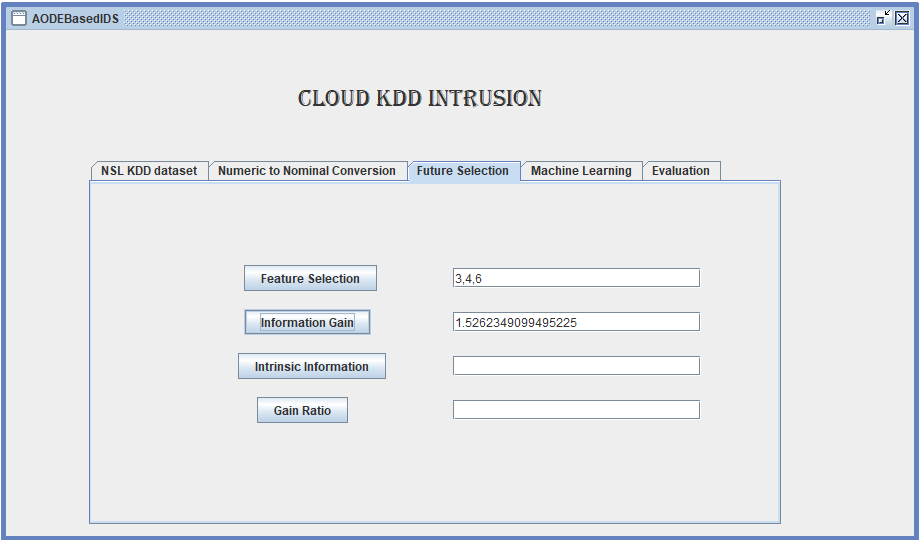


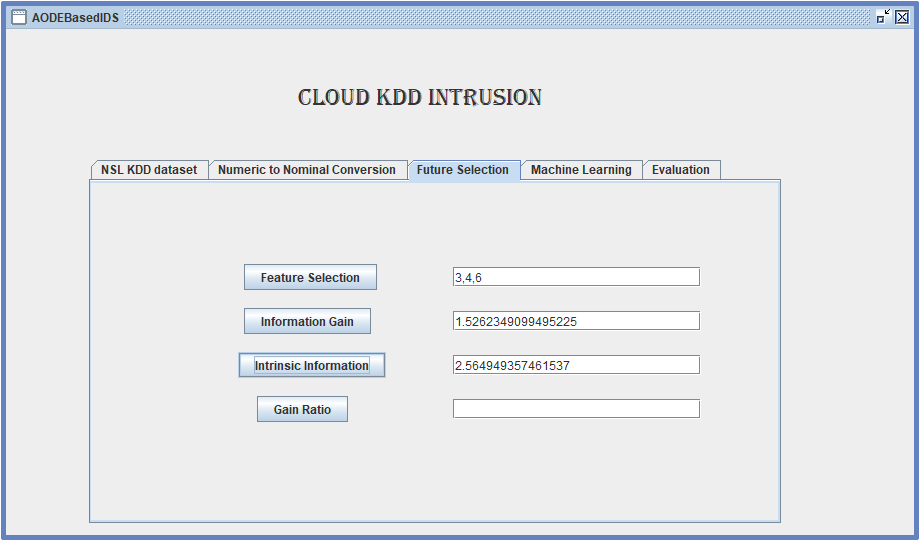
**Step 11:** Convert numeric data to nominal data

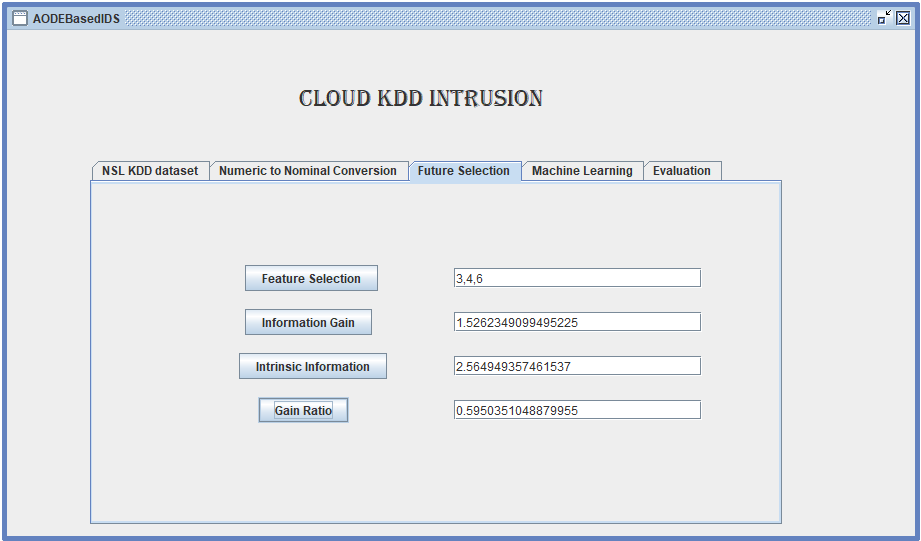


**Step 12:** Check the information gain ratio of the data

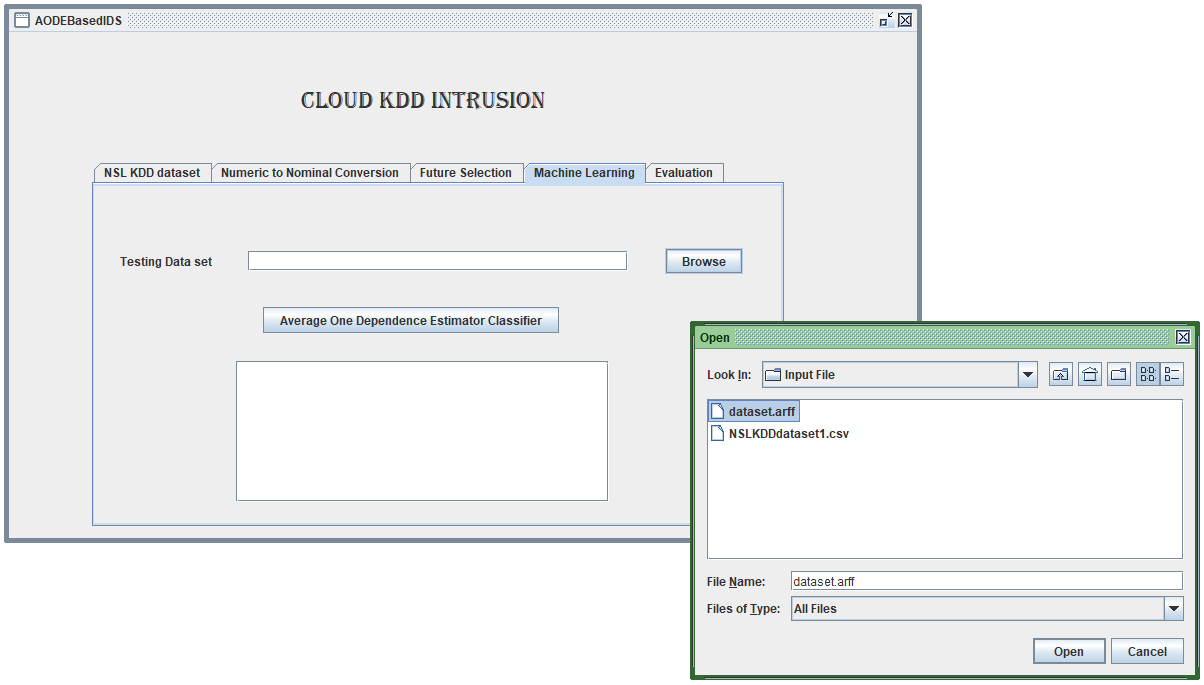


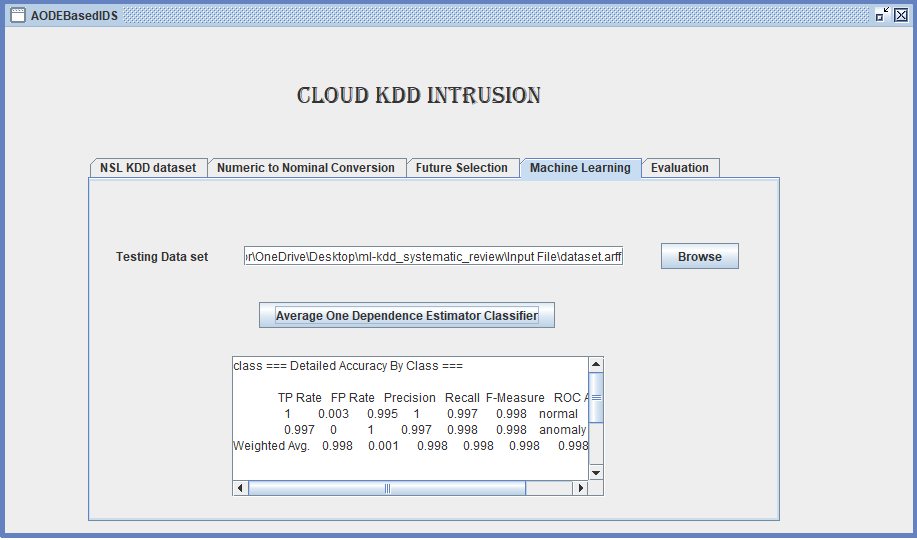




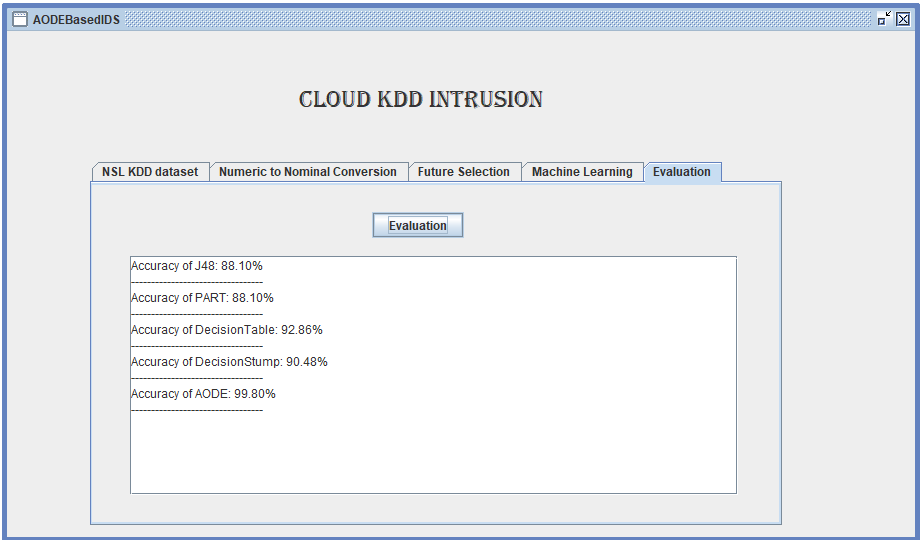


**Step 13:** Open the dataset.arff to display the average one dependence estimator classifier





**Step 14:** Click on “Evaluation” to check the accuracy of machine learning techniques

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