**Problem 1:** Write a program which can find the best split point for a continuous attribute in the entire training dataset. The optimal criteria are 1) entropy and 2) gini index.

**Problem 2:** Construct a decision tree and other classifiers in Weka on this dataset:

http://archive.ics.uci.edu/ml/datasets/Iris

http://archive.ics.uci.edu/ml/datasets/Adult

You have to learn how to provide Weka the right data format. You can copy the screen snapshot into the homework document.