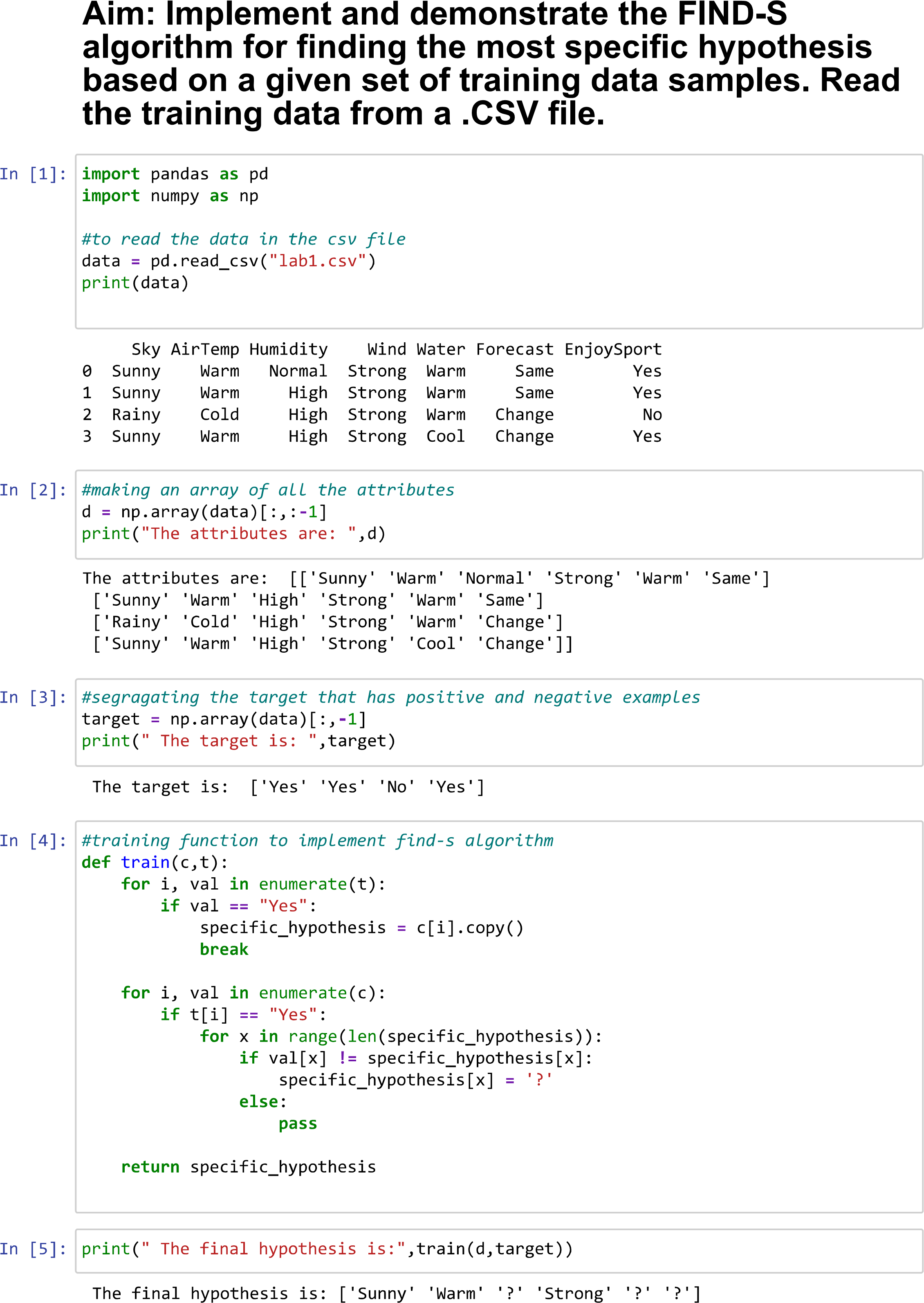
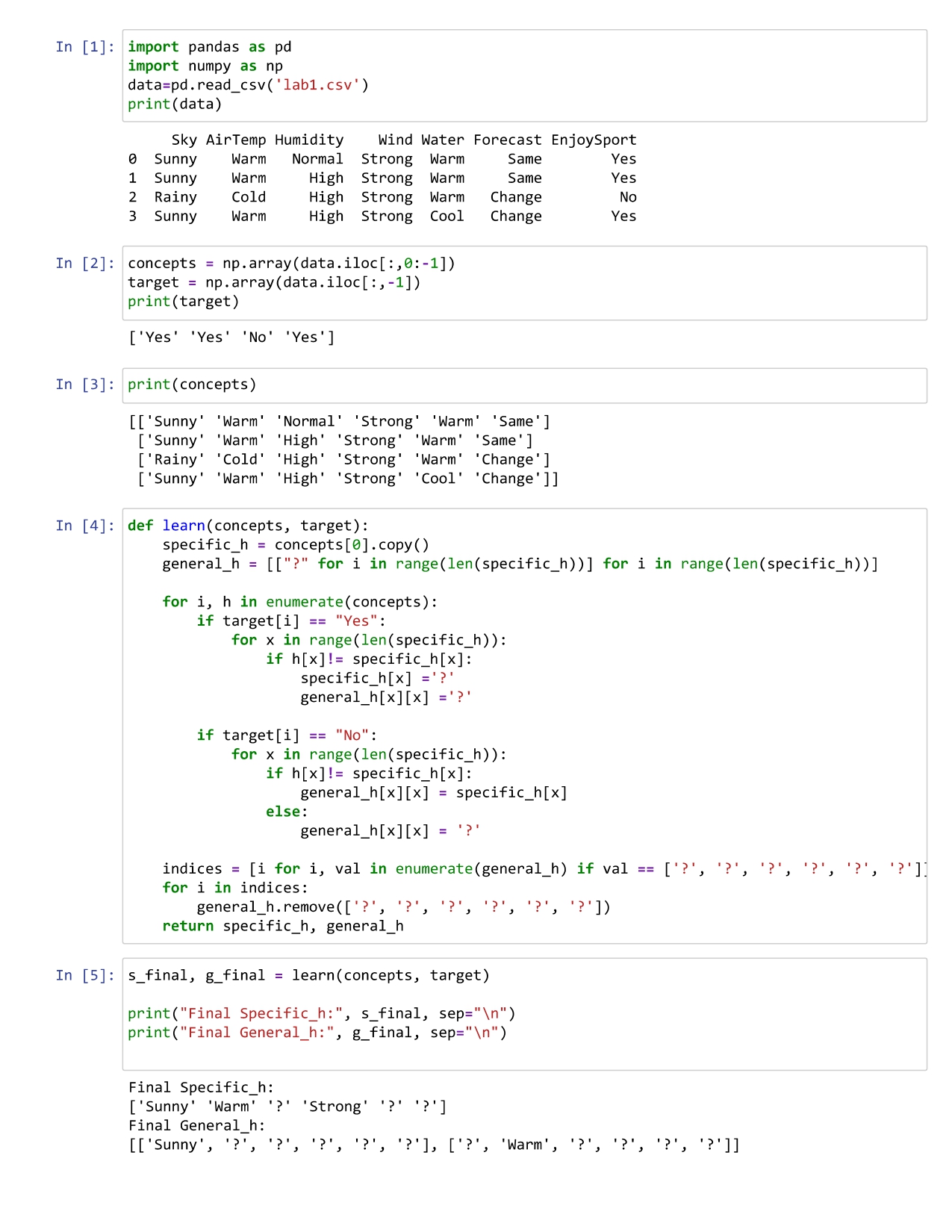
**Practical 1**

Aim: Implement and demonstrate the FIND-S algorithm for finding the most specific hypothesis based on a given set of training data samples. Read the training data from a .CSV file.



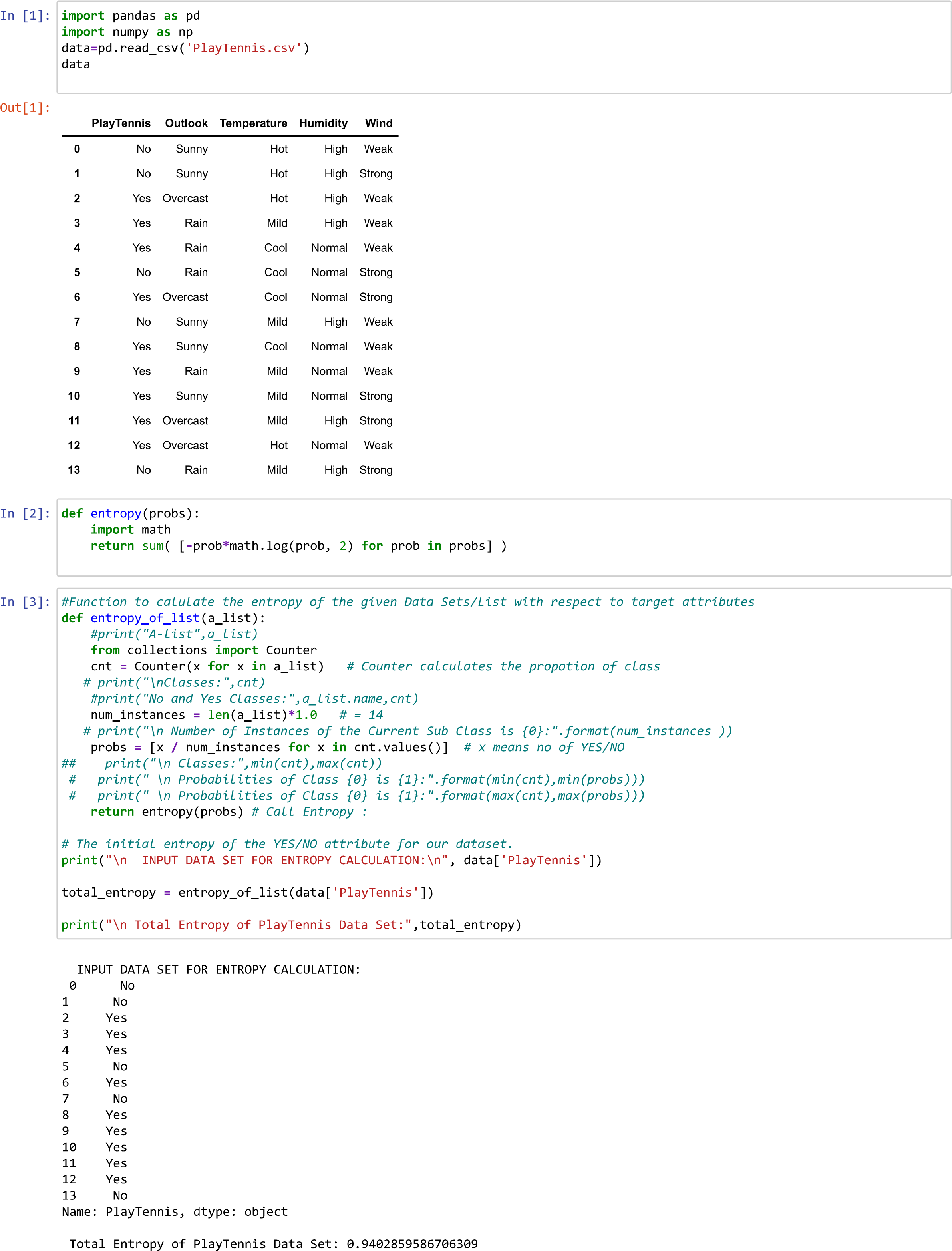
**Practical 2**

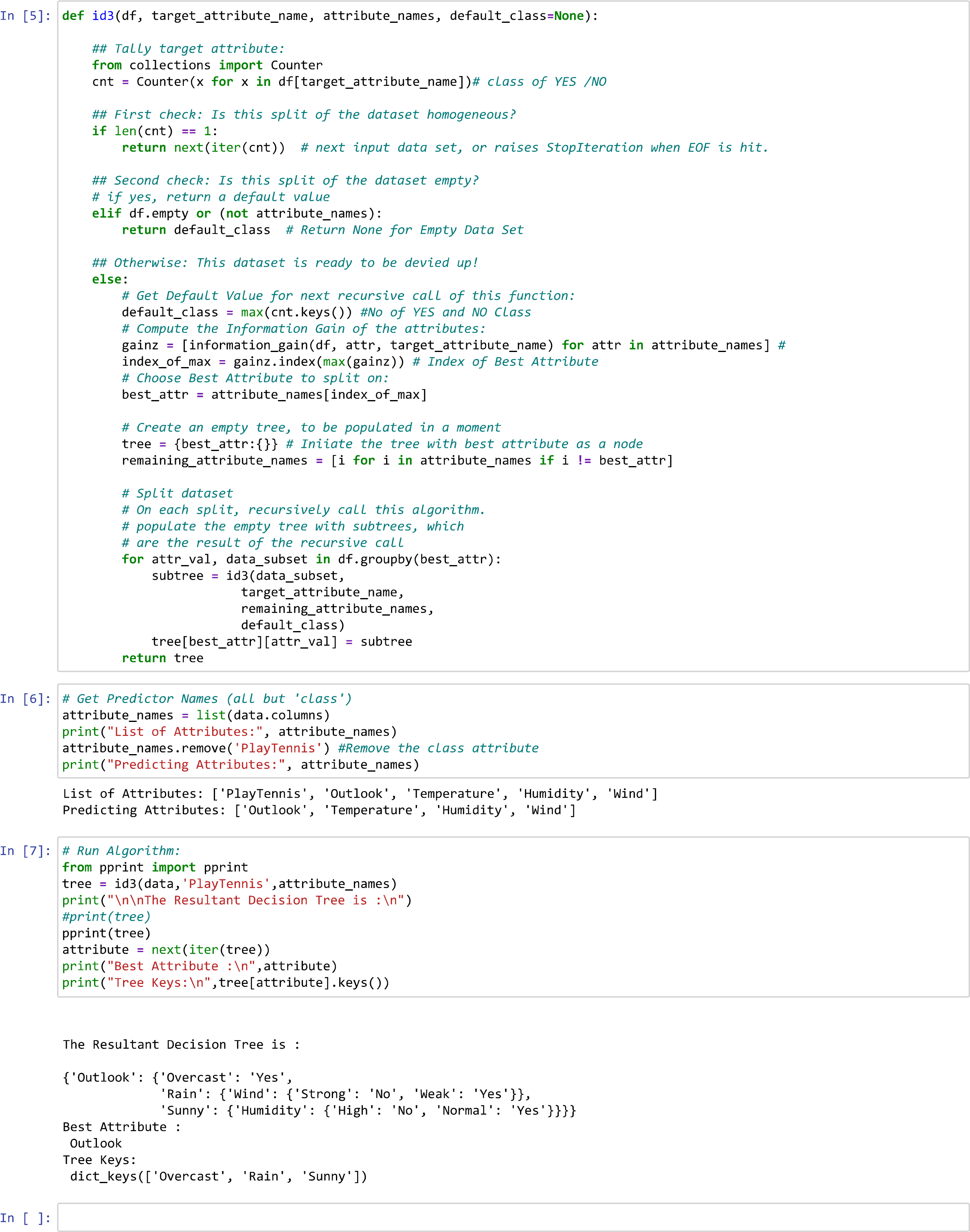
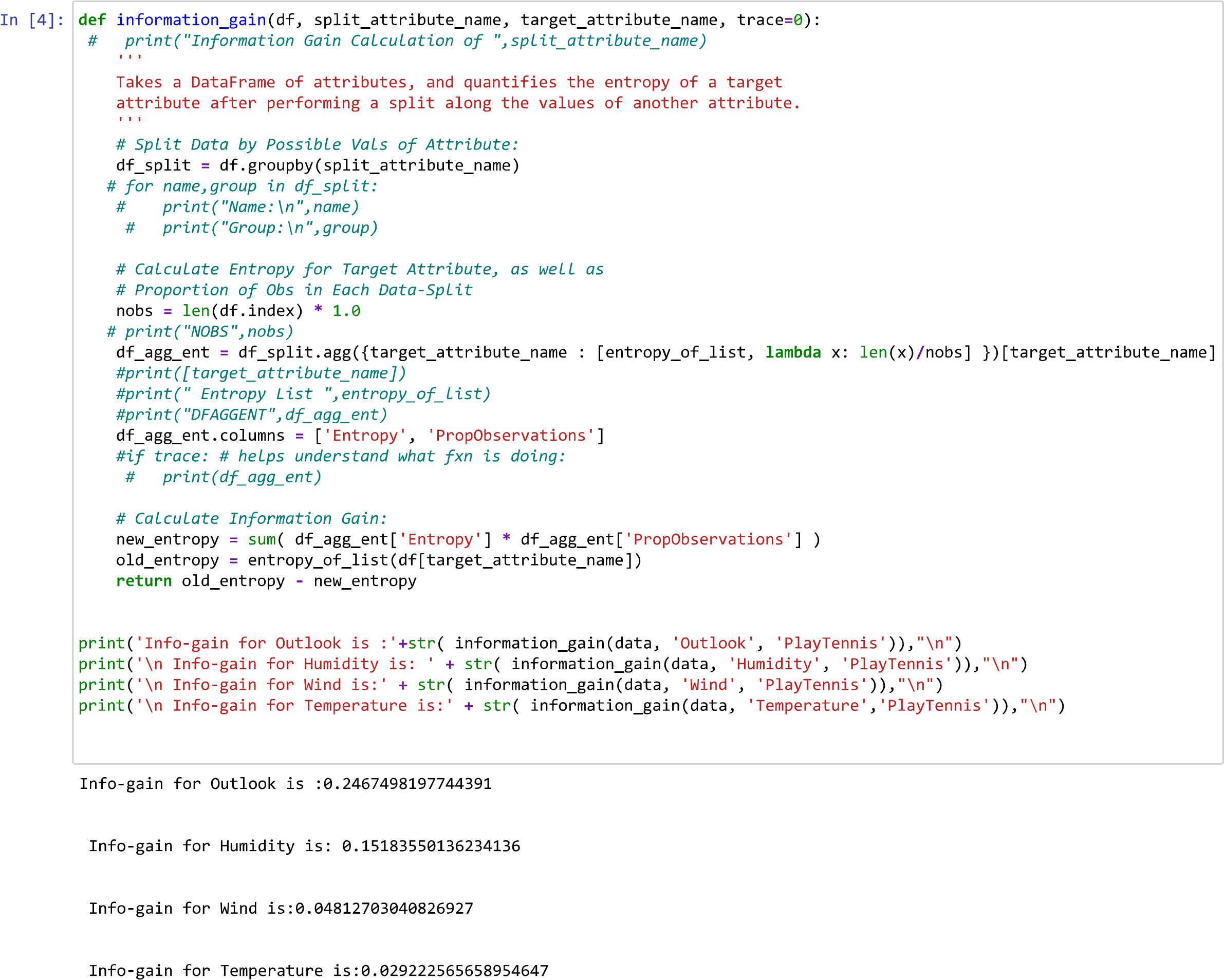
Aim: For a given set of training data examples stored in a .CSV file, implement and demonstratethe Candidate-Elimination algorithm to output a description of the set of all hypotheses consistent with the training examples.



**Practical 3**

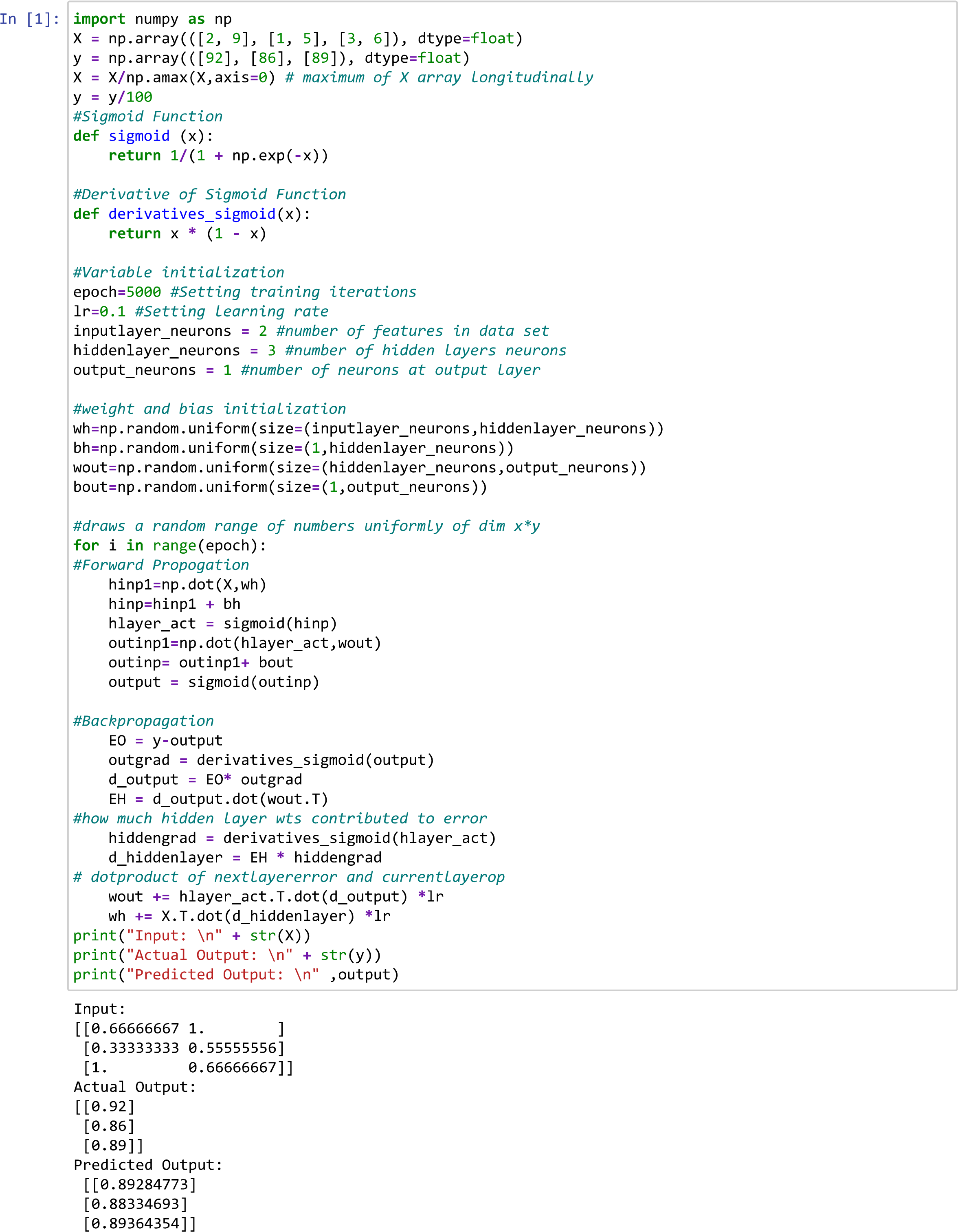
Aim: Write a program to demonstrate the working of the decision tree based ID3 algorithm. Use an appropriate data set for building the decision tree and apply this knowledge to classify a new sample.





**Practical 4**

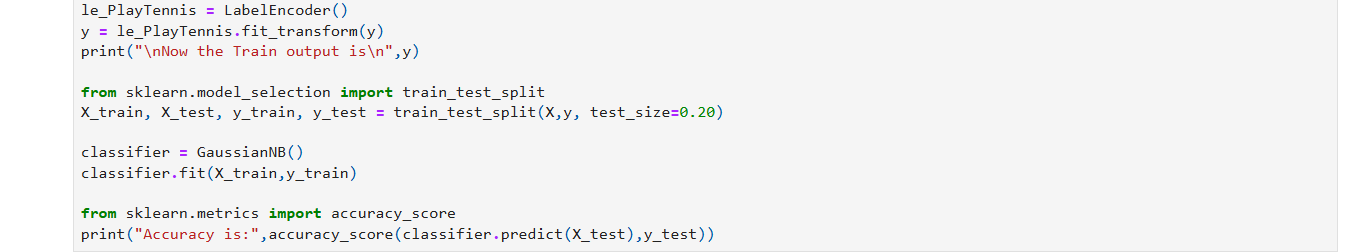
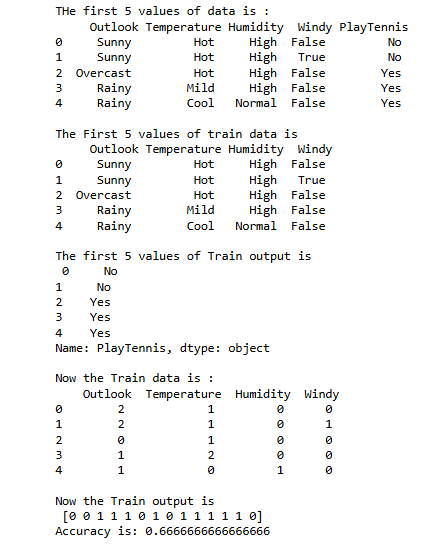
Aim: Build an Artificial Neural Network by implementing the Backpropagation algorithm and test the same using appropriate data sets.



**Practical 5**

Aim: Write a program to implement the naïve Bayesian classifier for a sample training data set stored as a .CSV file. Compute the accuracy of the classifier, considering few test data sets.

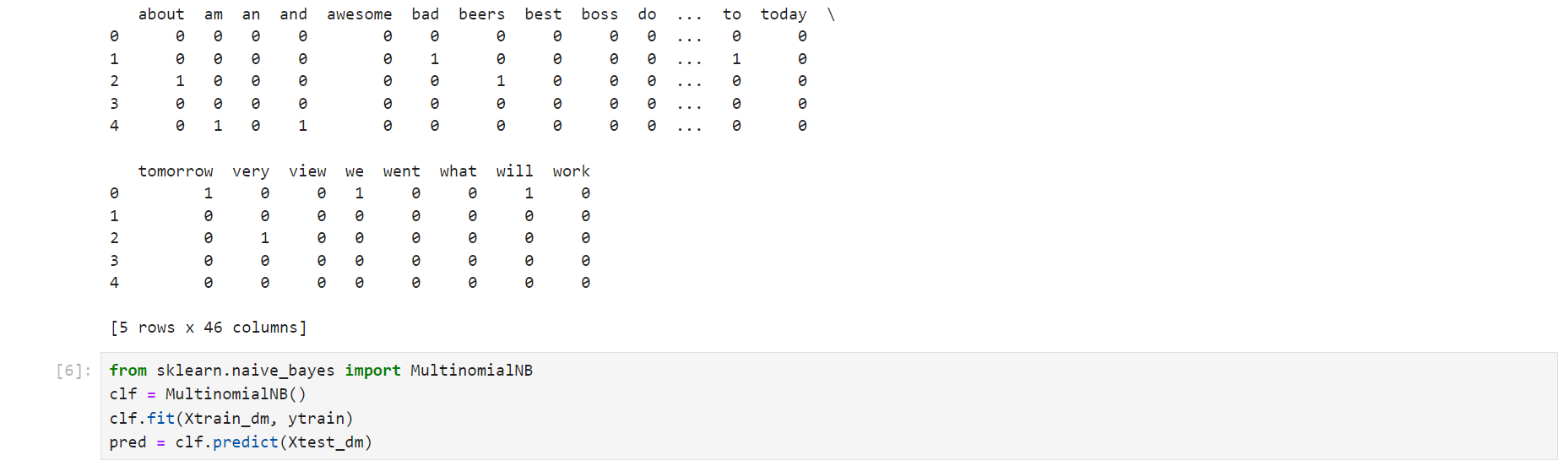


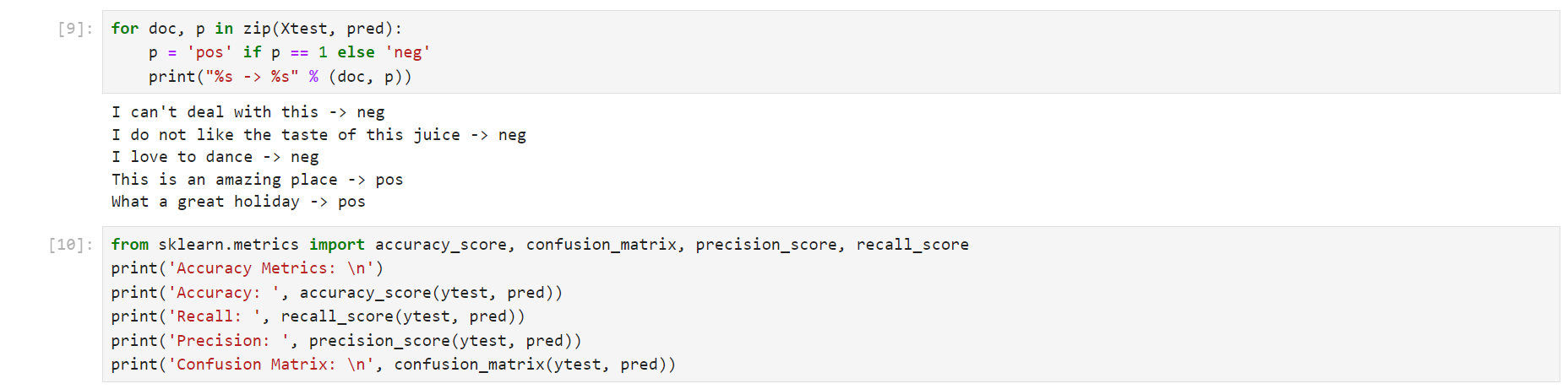
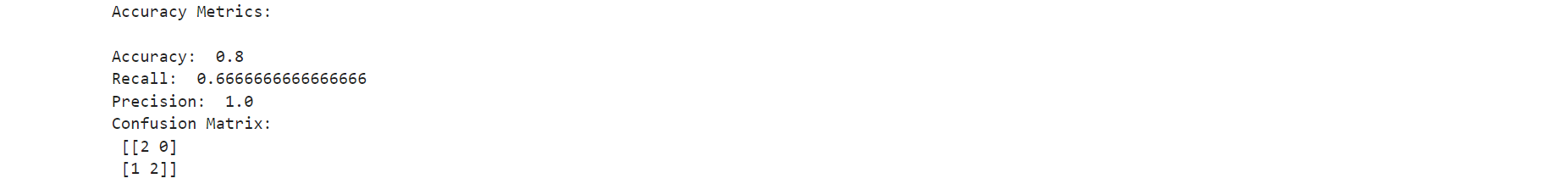
 

**Practical : 6**

Aim: Assuming a set of documents that need to be classified, use the naïve Bayesian Classifier model to perform this task. Built-in Java classes/API can be used to write the program. Calculate the accuracy, precision, and recall for your data set.





## Practical : 7

Aim: Write a program to construct a Bayesian network considering medical data. Use this model to demonstrate the diagnosis of heart patients using standard Heart Disease Data Set. You can use Java/Python ML library classes/API

