

Write a Python program that implements the Naive Bayes classifier.

Your program should take as input a dataset file name (name with extension .data) and file with a set of training labels (name with extension .trainlabels.x) in the format given in the UCI datasets.

It should be run from the command line as follows:

```
python <your python program file> <data file name> <training file name>
```

As output your program should produce predicted labels for the test dataset which are feature vectors whose **labels are not given** for training.

Each output line should be in the same format as label file, that is, <label> <rowId>

Note rowId starts from 0.

Produce output using println().