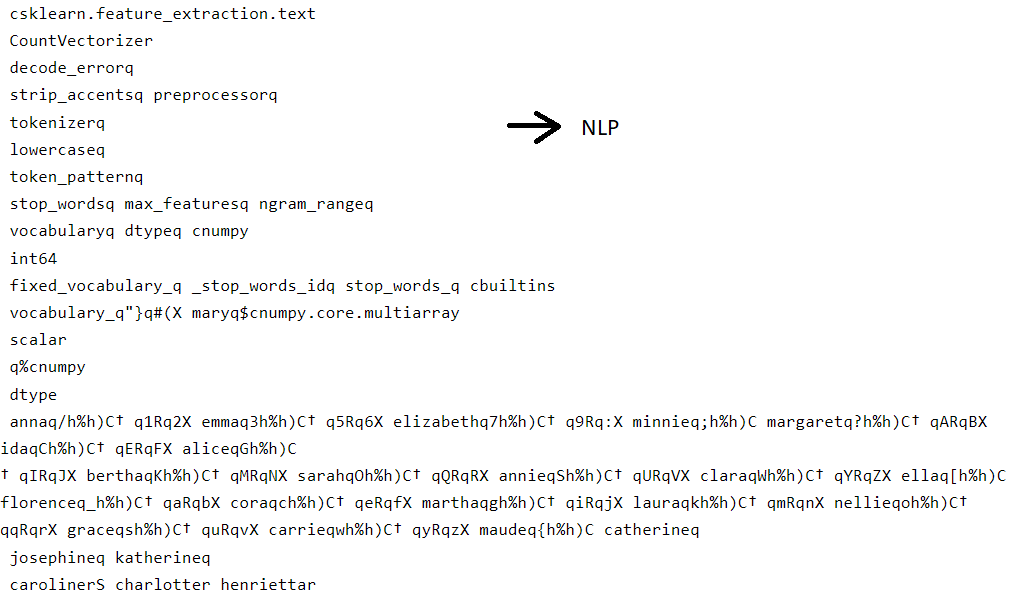
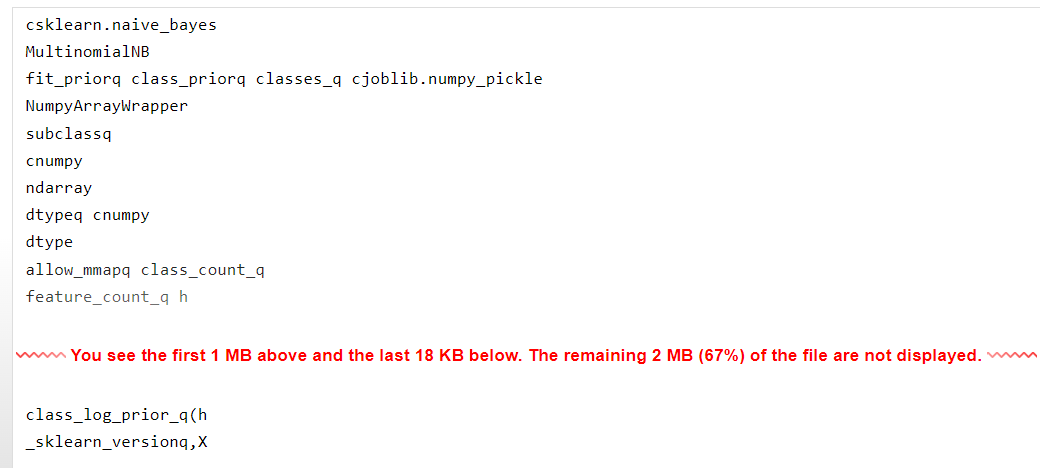
In python, Pickling is taking a list of data into a serialized format. This is useful for data that is in a wrong format.

Point 1)

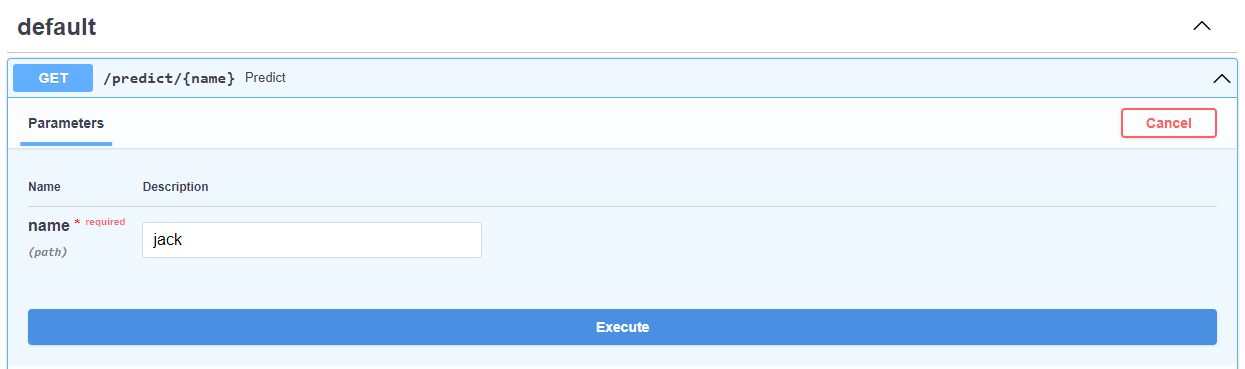
Then the rest of the names are lists of objects that have been inputted.

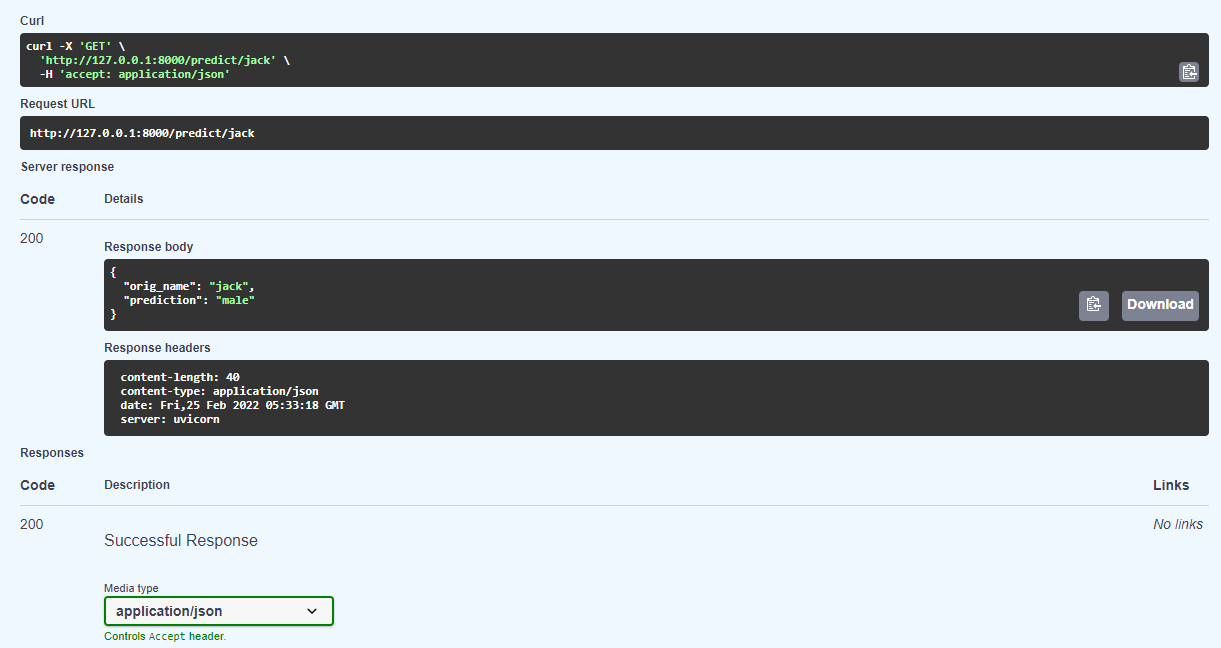
Point 2)



* Naïve bayes is a method to predict the probability of different class based on various attributes.
* The multinomial Naive Bayes classifier is suitable for classification with discrete features
* The rest of the codes are for machine learning, like feature count to find occurrence distribution, and to re-structure an array like ndarray, numpyarraywrapper.
* The model itself is not shown and can’t be shown.

IMPLEMENTATION

press execute

When we input jack, the prediction is correct which is a male.

Integrating KAFKA with our API

Run zoo and the server of KAFKA

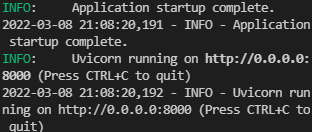
Zookeeper



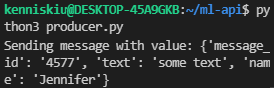
Kafka server



After, run the app.py



Run the producer.py that sends the value which is the name

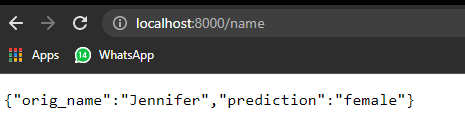


Then on the app will return the prediction

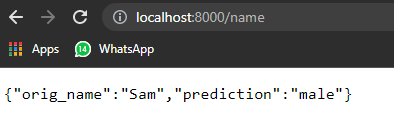


The consumer will receive the message

The result is



Another test



Assignment 5

Using the same code

Since restful Api has been implemented for instance 

In this instance, the routing on / using the get method will return the JSON message: Hello World

Using the ml Api, the get method on /name, the user will get a value which is \_name. then the whole process of ML will be done below the function