In [9]:
```
import pandas as pd
import numpy as np
from sklearn.feature_extraction.text import CountVectorizer
from sklearn.model_selection import train_test_split
from sklearn.naive_bayes import MultinomialNB
data = pd.read_csv("https://raw.githubusercontent.com/amankharwal/SMS-Spam-Detect
data.head()
```

Out[9]:

	class	message	Unnamed: 2	Unnamed: 3	Unnamed: 4
0	ham	Go until jurong point, crazy.. Available only ...	NaN	NaN	NaN
1	ham	Ok lar... Joking wif u oni...	NaN	NaN	NaN
2	spam	Free entry in 2 a wkly comp to win FA Cup fina...	NaN	NaN	NaN
3	ham	U dun say so early hor... U c already then say...	NaN	NaN	NaN
4	ham	Nah I don't think he goes to usf, he lives aro...	NaN	NaN	NaN

In [10]:
```
x = np.array(data["message"])
y = np.array(data["class"])
cv = CountVectorizer()
X = cv.fit_transform(x) # Fit the Data
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.33, random_

clf = MultinomialNB()
clf.fit(X_train,y_train)
```

Out[10]:
```
MultinomialNB()
```

In [11]:
```
sample = input('Enter a message:')
data = cv.transform([sample]).toarray()
print(clf.predict(data))
```

```
Enter a message:Mine or claim a cryptocurrency
['spam']
```