```
import pandas as pd
import nltk

df=pd.read_csv('/content/IMDB Dataset.csv')

df.head(5)
```

One of the other reviewers has mentioned that ... positive A wonderful little production.
>>br /> The... positive I thought this was a wonderful way to spend ti... positive Basically there's a family where a little boy ... negative Petter Mattei's "Love in the Time of Money" is... positive

```
import string
from nltk.corpus import stopwords
from sklearn.feature extraction.text import CountVectorizer, TfidfTransform
from sklearn import svm
nltk.download('stopwords')
    [nltk_data] Downloading package stopwords to /root/nltk_data...
    [nltk_data] Package stopwords is already up-to-date!
    True
def text process(mess):
  nopunc=[char for char in mess if char not in string.punctuation]
  nopunc="".join(nopunc)
  return[word for word in nopunc.split() if word.lower() not in stopwords.
from sklearn.pipeline import Pipeline
from sklearn.naive bayes import MultinomialNB
pipeline_created1=Pipeline([('bow',CountVectorizer(analyzer=text_process))
                            ('tfidf', TfidfTransformer()),
                            ('classifier',MultinomialNB())
from sklearn.model selection import train test split
msg_train,label_train,msg_test,label_test=train_test_split(df['sentiment']
```

pipeline created1.fit(msg train, label train)