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#1.TRAINING

#LOAD DATA
import pandas as pd
DDOS=pd.read_csv("/content/final_dataset1.csv")
x=DDOS[[' Protocol','Total Length of Fwd Packets',' Total Fwd Packets',' Total Bac
y=DDOS[[' Label']]
#ALGORITHM
from sklearn.naive_bayes import GaussianNB
ML1=GaussianNB()
from sklearn.naive_bayes import MultinomialNB
ML2=MultinomialNB()
from sklearn.naive_bayes import BernoulliNB
ML3=BernoulliNB()
#FIT DATA
ML1=ML1.fit(x,y)
ML2=ML2.fit(x,y)
ML3=ML3.fit(x,y)

#2.TESTING

result1=ML1.predict([[16,24,4,2]])
print("Prediction using GUASSIAN NB=",result1)
result2=ML2.predict([[16,24,4,2]])
print("Prediction using MULTINOMIAL NB=",result2)
result3=ML3.predict([[16,24,4,2]])
print("Prediction using BERNOULLI NB=",result3)
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Prediction using GUASSIAN NB= ['LDAP']
Prediction using MULTINOMIAL NB= ['LDAP']
Prediction using BERNOULLI NB= ['LDAP']
/usr/local/lib/python3.7/dist-packages/sklearn/utils/validation.py:985: DataC
  y = column_or_1d(y, warn=True)
/usr/local/lib/python3.7/dist-packages/sklearn/utils/validation.py:985: DataC
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/usr/local/lib/python3.7/dist-packages/sklearn/utils/validation.py:985: DataC
  y = column_or_1d(y, warn=True)
/usr/local/lib/python3.7/dist-packages/sklearn/base.py:446: UserWarning: X dc
  "X does not have valid feature names, but"
/usr/local/lib/python3.7/dist-packages/sklearn/base.py:446: UserWarning: X dc
  "X does not have valid feature names, but"
/usr/local/lib/python3.7/dist-packages/sklearn/base.py:446: UserWarning: X dc
  "X does not have valid feature names, but"
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