PAGE NO : 20 DATE : 22/12/20 EXP.NO. : Assuming a set of downers that need to be classified, une naire Bayesian darrifier model to perform this look Built in jova closes / API can be used to write the program calculate the accentacy precision & recall of your dataset import poundos os pod usg = pd. read-csv ('c: lurus / senovo)

Desktop 1 4 MT16 C8060 - Projusal / 1 ab 6. CSV 1) names = ['mersage', 'label'] print ( 'Total instances in the dolored: mg. supe [0]) usg ['labelrum ]= msg. label. map [ &' pos: 1, 'neg': 03) X = mgg, mersage 7 = msg. babel nem print (" In The message & its label of first 5 instances are listed below ") X5, y5 = X[0:5]1 mg. Label [0:5] Ban X, y in Zip (X5, 45): priut (x, ', ', y) ARUN'S

21 PAGE NO: DATE EXP.NO. : from skleden nodel. geleehon import frain - test-split X frain, X test, y train, y test: = train - Lest-effeit print ("Dataset is split into Fraining & Jesting samples ") forint (" Total fraining instances: , x brain. Shape EOJ) print ("Jotal Jesting instancer: 1, x Lest. Shape [0]) from 8 kleven. featiere-entraction. Sent import Count ve chorizer Count rect = Count rectorizer() X Jecain - other = court - vect. Bit - beautism (x train) \* lest - dbm = count - vect . Leantforn (x dest) print ("In Total features extracted using countrectorizer: ", x secain - dem-shape(i) print ("In Features for first 5 training instances are listed below") olf = pd. Data Frame (x train - dtm. toarray (), column = count - vect. get-feature\_names ()) port ( of E0:5]) ARUNS

	PAGE NO: 22 DATE:
	EXP.NO.: 7
from skleam. naine base  de Multi Nominal NB() - Bi  predicted = de - predict  print ("In classification a  samples are given  Box cloc, p in zip (  pred = 'pos' if p =	t (x frain - dbm,  ytrain)  (x dest - dbm)  esults of festing  below")  (x dest, predicted):  == 1 else " neg"
print ("1, 2 -> 1/, 2	· 1. (doc, pred))
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Joriat ("In Accuracy of	que clarrifeir es
natricy, aceo	vacy-Score
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print ("Recall:", mesei	cu vecall + scare
	, predicted )
print (" precision: ", me	//
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print (" confusion mate	
print (metricus. confa	
(ylest)	predicted))
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According nutrices Accurage of the classifier is 1.0 Recall: 1.0 Precision: 1.0 Confusion motion 2 62 07 [03]]