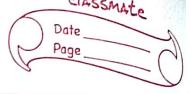


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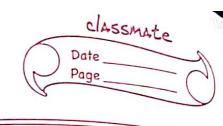
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7		$n=5$ $my=\sum y/n$
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		= 15/5
		$mx = 3 \qquad my = 68/1$
		J+XM=N
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		$my = M \times mx + c$ $M = S(y-my)(y-my)$
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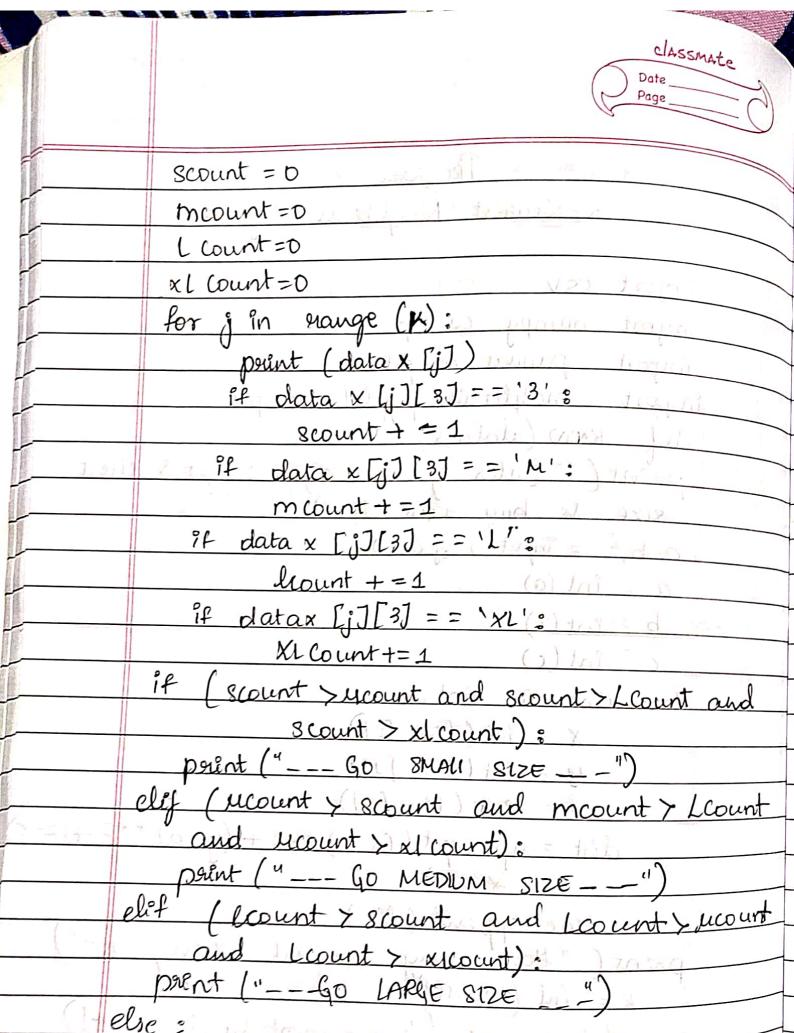
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	$\max_{x} - x = \min_{x} \max_{x} (x) + 1$
	$min - x = np \cdot min(x) - 1$
	#print (max-x)
4	XI = O ign po pomper legini
	X1 = np. lenspace (min-x, max-x, 6)
Padie · ·	y1 = M X X1 +C
	plt. plot (XI, Y1, color = 'blue')
( m)	perent (x) = hable v x)
e <sup>†</sup>	plt. scatter (x, Y, C = (91)
	plt. Show () (sand) ladaly the
	persont ("Enter year perdiction")
	year = int (input())
	adm = Mx x1+C
76 = 10.8+1	print (« Poudicted admission =" adm)
	def main () °
	file = or "C: wers AMC college \ Perktop DATASE
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	data = pd · read - CSV (file)
	display (data)
2	Y = data [ year ]. Values.
	9 = data L'nos J. Values.

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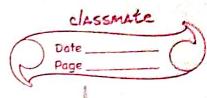


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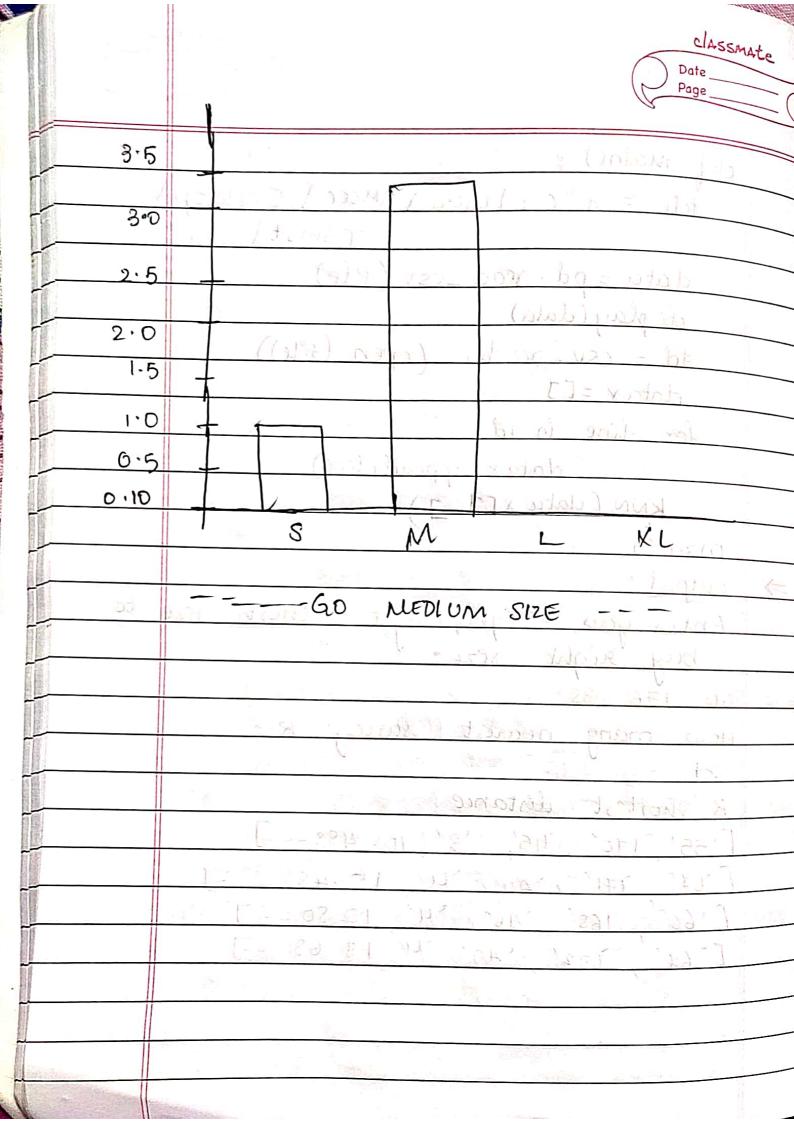
	Program - 8
	K-Nearest Neighbour Algorithm.
	الديارين ورا دن
	import CSV
100 100 100	import numpy ou nip of all in
	Proport pandas as pd.
	Proport maplet lib. pyplot as plt.
	all KNN ( alata X ) *
	point ( " Enter your weight, height & chest
	pount (" Enter your weight, height & chest sixe to buy night size")
	a, b, c = input(). split()
	a = int(a) $1 = + to 100$
-	bzent(b) JX FE de la
	c ? int(c) det toward
line	for line in datax:
	X = (int (line Co7)
	y = sint ( line (17) ) tour
Lount	K toward = 18nt (line [2]) toward 11
7	dist = np. 8qrt ((x-a) **2+(y-b) **2+(z
	(" 3512 *1X12) HAT ON " I THORA
すいいりかん	line append (dist)
	nagnit "How many nearest survey K=")
	K= int (input())
<u>.</u>	data x. sort (key = lambda i = P(4J)  # print (" k Sorted distance")
O	# print ("  x Sorted distance")
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Print ("--- GO XL SIZE \_\_\_\_ 11)



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	T-shert \. cs	sV 4
	data = pd. read _esv (file)	
	display (data)	1
	fol = csv. reader (open (file))	31.2
	datax=CJ	C.I
	for line in fd;	
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	KNN (data x[1:])	Ofrig
	main()	
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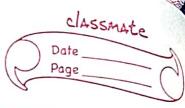
## Pologram 6

n=9 n(yes)=5 n(no)=4 p(yes)=5/9 p(no)=4/9 P(yes/(red, sports, donestic) = p(red/yes) \* p(sports/ges) P(no/(ged, sports, domestic) = p(red/no) x p(sports/ho) x
p(domestic/no) x p(no) -

n(red/yes) = 3 p(red/yes) = 3/5 Altribute = red. n (red/no) = 2. p(red/no) = 2/4. Affilhuter = sports. n(sports/yes) = 3 p (sports/yes) = 3/5 n (sports no) = 1 p (sports no) = 1/4

Attribute = domestic = and to n (donuertic | yes) = 3 p(donuertic | yes) = 3|5 n(donuertic | no) = 2 p(donuertic | no) = 2|4

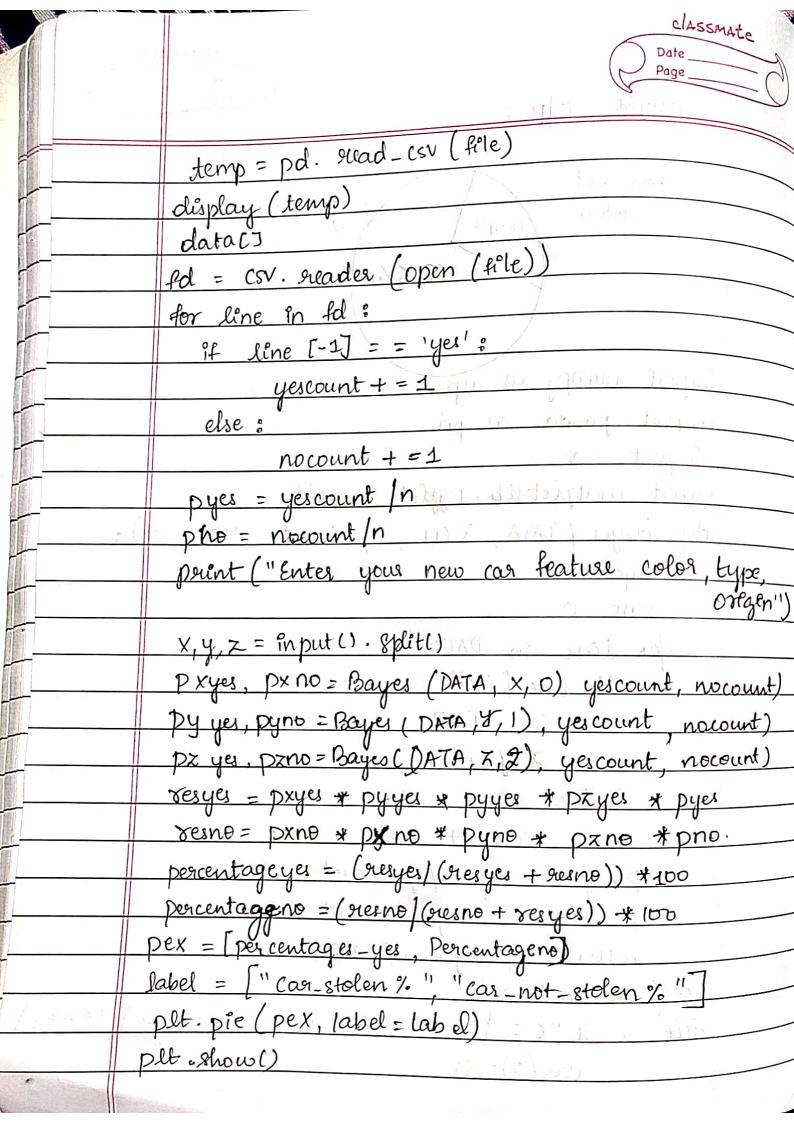
p(yex) = 5/9 ( ) p(no) = 4/a

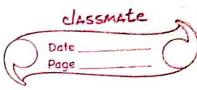


	P(yes) (red, sports, donestes))
	D (mod) is a (aports) & D (about the) Piger
	yes yes
	= 3/5 * 3/5 * 3/5 * 1/9 = 3/25
	X = 0.12
	F = ()
	P (no/(red, sports, domestic))
	= p (red) * p (sports) * p (dometic) * p (yes)  no no yes
1	)g + ( no no )q - (no , un , diges to o) ( op ))
	$= 3 \times 3 \times 2 \times 4$ $= 5 \times 5 \times 4 \times 9$
	1 (d , 5 m) ( and )
	nidon: shichnest = Dibest =
	36
	y = 0.0257 box = 9tun 9171
	51 - (aphled) = 3 (aphles) 101
	% cas stolen = x × 100 =0.12 × 100
	(x+y) (0+12+0.02)
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	in Contratege Near - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
0	6 cas not stolen = you por 100
	- (10 - 1 rdespending (x+y) ( with site sites and )
1)	1- : [ - 1 Hours   - 0.027   * 100 micoly
	(0.12+0.027)
	4 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

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***************************************	Sample op:
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	cas not cas stolen
	\$ to len 18.4%
	381.6% NOR - VO 10%
	i lot of onth ton
	împort numpy as np.
4	impost pandas as pd
	impost CSV
	import matplotlib. pyplot as plt
	del Bayes (DATA, X. COL, yes count, no count):
9-11	1910 Xyes = Distriction many 61217 Comment of the state o
Egn	$\times no = 0$
	fox line in DATA :
1 1.00100	La inex ColJ = = x: Dis
( thus	rome tourifier line 5[-1] = 1 yest: come mint
( true	Town Towns Xty ++1=(1) Side towns in the water
	and as selser out & supple to part a supple of
	ING # BOXO *XINO!+# = 12 = SINC! - HILLE
	Px yes = xyes / yes count
	px no = x no / no count
	return pryes, px no
2000	def main ():
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	Car (2)·CsV'





				A		
	porint ("Percentage-yes=", Percentageyes=,					
	"Percentage_no", percentageno).					
	main()	J	/	1		
<b>&gt;</b>	output:					
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