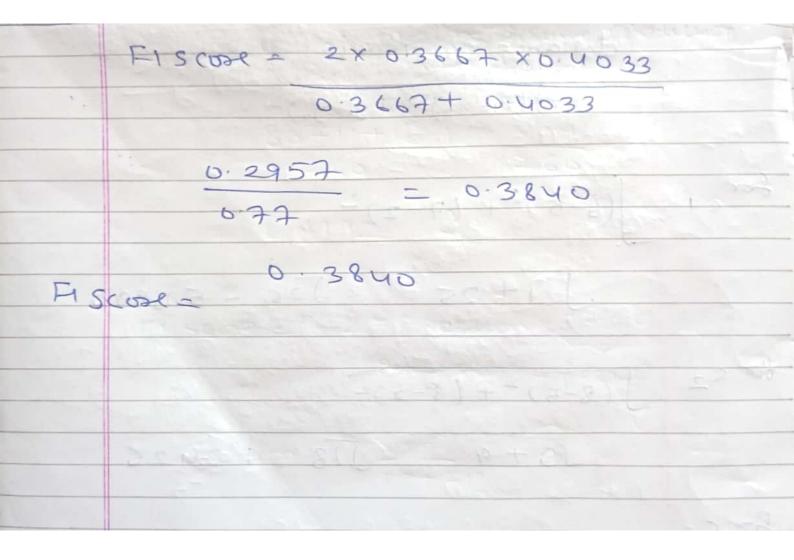
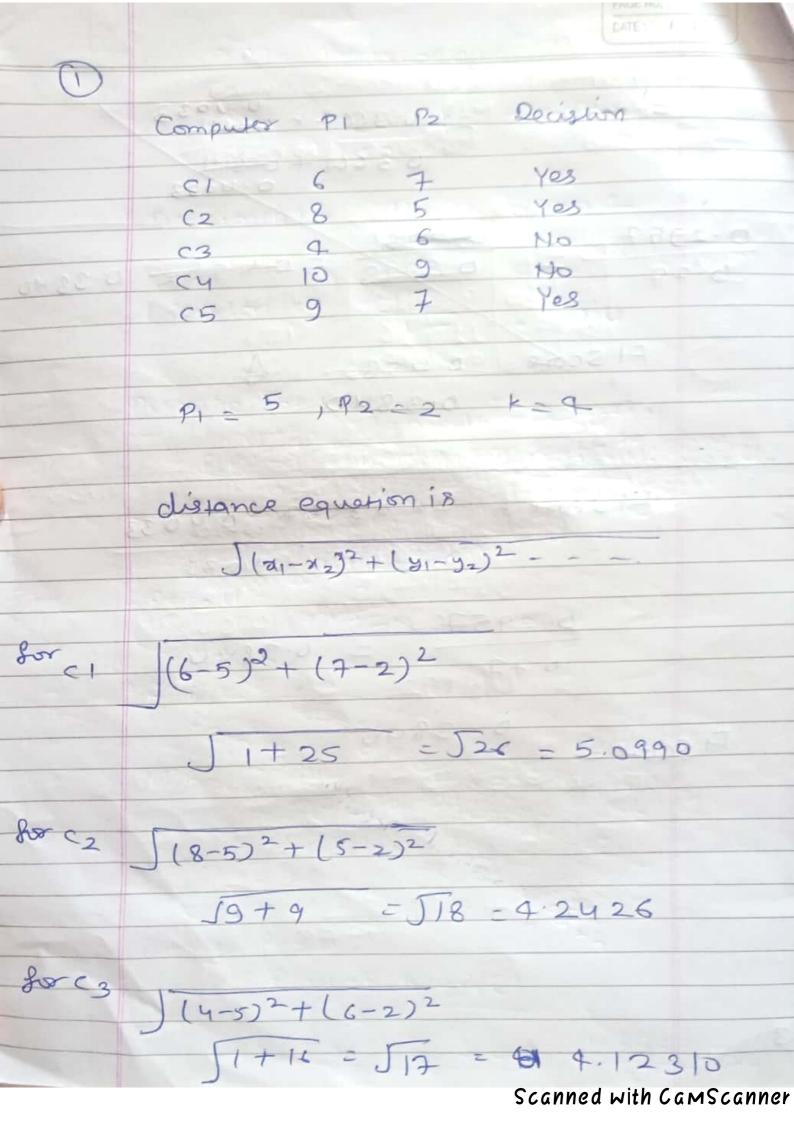
	DEATH PARTY (A)
	Name: kapil kuman Chhipa Roll.No: M180265CA Sub: Machine Learning
4)	A 80 9 11 100 B 73 11 16 100 C 0 42 18 G0
	Accuracy - total no. of currect Bediction total dataset
	$ \begin{array}{c cccccccccccccccccccccccccccccccccc$
	FISCOSE - 2 × Precision × Record Precision + Record
	Becision - TP TP+FP

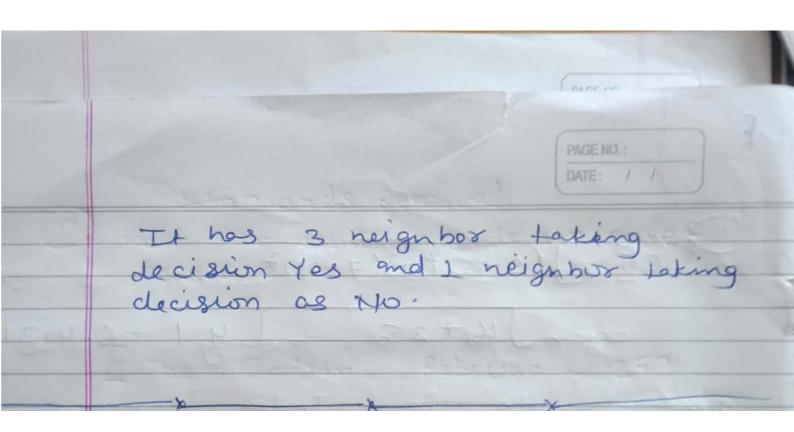
Scanned with CamScanner

P(A) = Becigion (A) P(A) = 80 = 0.5228 153 62 50.1994 Precision (B) = Precision (c) = 18 = 0.4 Average precision P(A) +P(3)+P(U) = 1.1002=0.3667 Recall = IP TP+FH R(A) = 80 = 0.8 P(B) = 0.7333 0.11 $R(c) = \frac{18}{60} = 0.3$ Average Recons R(A) +R(B) +R(U 0.8+0.1103 +0.3 = 1.2100 =0.40

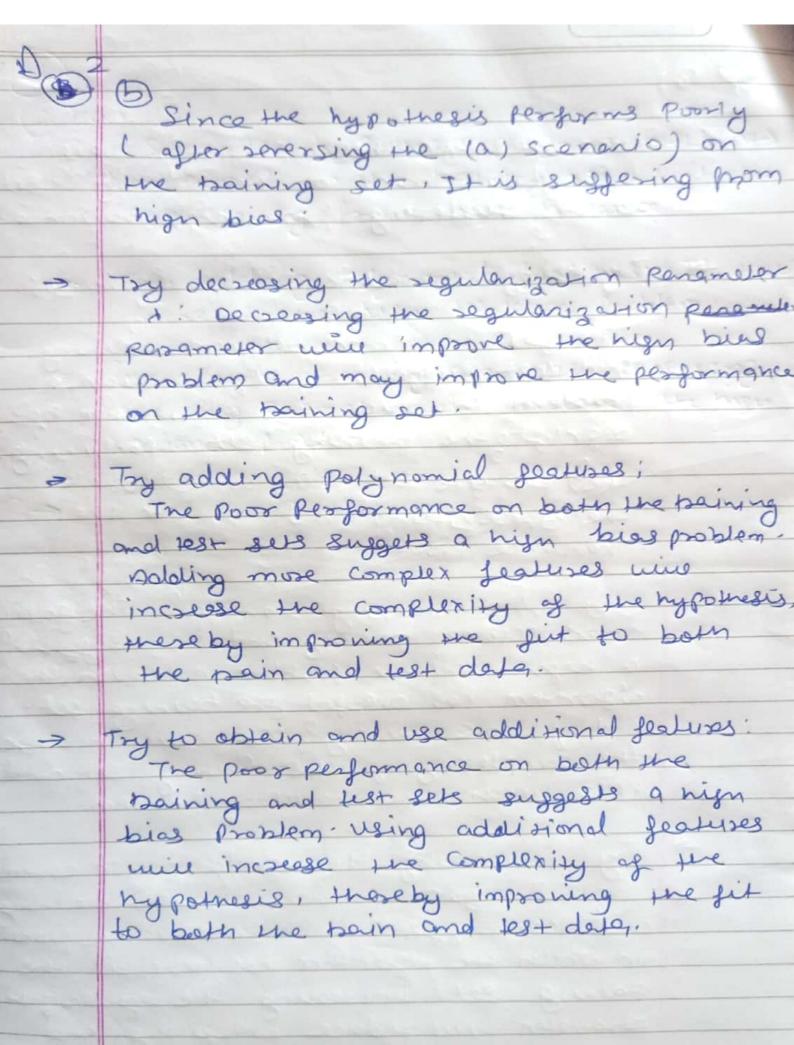


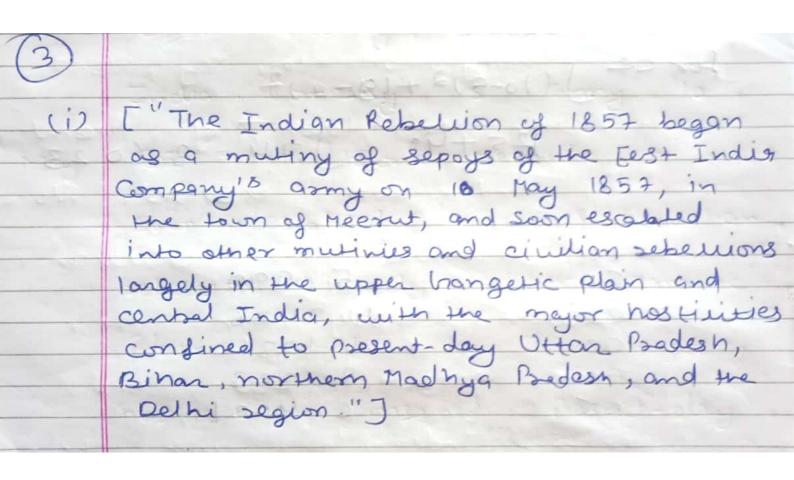


	DATE: 1 7
for	$\frac{9}{5} \int (9-5)^2 + (7-2)^2$
	J16+25 . J 4 1 = 6.4031
for	5 J(9-5)2+(7-)
for	C4 J(10-5)2+(9-2)2
100000 100000	J25+49 = J74 = 8.6023
The last	to the Cotacopy of Concerns of the House of the Cotacopy of th
The state	CI 5.0990
	C2 4.2426
Needs	C3 4.12310
	Cy 8.6023
	c5 6.4031
- 01 4	final of Classest Smallest seguits
	CO CI 5.0990 Yes
	62 C2 4.2426 Yes
	C3 4.12310 NO
	C5 6.4031 Yes
	The decision winderes by KKNN algorithm: because we have 3 yes and I No.
	pas and 2 No.



2 (9) Since the hypothesis performs well (has low error) on the paining set, it is suffering from high variance. -> Try using a smaller set of Sealures; The gap in crows between baining and lest suggests a high variance Problem in which the algorithm has overlight the raining set Reducing the feature get wire ameliosate the overfitting and help with the variance problem. that more baining example: The gap in errors between training and lest suggests a high handance problem in which the algorithm has overfit the baining get. Adding mose baining data will increase the complexity of the training set and new with the variance problem. > Try increasing the segularization paremets A: The gap in cross between training and test suggests a high variance problem in which the algorithm has overgit the paining set. Increasing the regularization parameter mine seduce avergitting and neep with the vanigace problem





Hate: I am keeping outs line for clearny. ['The', Indian', Rebellion', 'of', 1857', 'began', 'as', 'a', 'muliny', 'ag', 'sepoys', 'ag', 'the', 'bost', India', 'Company', "18", 'army', 'on', 'lo', 'May', '1857', 'g', in', 'the', town', 'g', 'yearnt', ', ', 'and', 'Soon', 'escalated', 'into', 'other', 'mutinies', 'and', 'civilian', 'sebellions', 'langely', 'in', 'the', 'Upper', trangetic', 'plain', 'and, 'central', 'India', '9', 'with', 'the', 'major', 'hostilities', confined', 'to', 'Present-day', 'Vttar', 'Predesh', '9', 'Binar', '9' 9 Bi northern', 'madhya', 'Pradesn', '91, and', 'the', 'Delhi', 'segion', '.']

Stopwoods removed

Hole: iam assuming words are coseSensitive. ['The', Indian', 'Rebelian', 1857', 'began', 'mutiny', 'sepoys', 'Gest', India', 'Company', "'8", army', '10', May', '1857', '9', 'town', Meerut', '7', 'Soon', 'escalated', 'muinies', 'civilian', 'sebelions', 'langely', upper', 'mangetic', 'Plain', 'control', India', '9', 'major', 'hostilities', 'congined', 'Besent-day', 'Utter, 'Pradesn', '9', 'Binan', '9', 'northern', 'madnya', 'Pradesn', 'g', 'Delhi', 'segion', 1.1]

Scanned with Camscanner

[(The', 'DT'), ('Indian', JJ'), ('Rebellion', NNP), ('g', IN'), ('1857', 'Co'), (began', VBD'), ('as', 'IN'), (a', 'DT'), ('mwing', ('Nn'), ('g', In'), ('sepays', 'NNS'), ('of', IH'), ('the', 'DT'), ('Cost', NHP), (India, 'NNP'), ('Company', NNP'), ("'s", 'Pos') ('army', NH'), ('on', IH'), ('10', CD'), ('May', 'NNP'), ('1857, 'CD'), (',','), ('in', 'In'), ('the', 'DT'), (Jown', 'NH'), ('g', In'), ('Meernt', MNP'), ('), '), ('and','cc'), ('soon', 'RB'), ('escalated', VBO), l'into', IH'), l'Other, 'JJ'), (missinies, 'NMs'), ('and', 'cc'), ('civilian', 155), ('sebellione', 'NMS'), ('longely', 'RB'), ('in', In'), ('the', 'DT'), ('Upper',
'JT), ('hangetic', NNP'), ('plain', 'NH'),

PAGE NO. ('and', 'cc'), ('central, JT'), ('India', NNP), (',',','), ('with', IN), ('the', 'DT'), (mayor', 'JT'), ('hossicities', 'NNS), ('confined', Van'), ('to', To'), ('Presentday', 'JJ'), ('Uttai', NNP), ('Pradesn' 'NNP'), ('?'!), ('Rihan', ('NNP'), (',','), ('normern', Ji), ('mednys', "NHP'), (Pradesn', NNP), (',','), ('and', ('cc'), ('the, DT'), (Delhi, 'NNP'), ('segion', NN), (''')]

Tsee ('s', [('The', 'DT'), ('Indian', 'JJ'), ('Rebellion, HNP), ('og', 'IN'), (1857', (0), (began, 'VBO'), (as', IN), Tacol'Net, [('a', 'ot'), ('mwling', 'NN')]), l'ag', 'IN'), ('sepays', 'NNS'), ('of', IH), (ite', 'OT'), ('[est', NNP'), (India, 'NHP'), (Company', 'NNP'), ("'sq , pas'), Tree ('NP', [('army', "NN')]), To grammer is "NP: {<DT>? <555> * <NN>3"