7/5/25	LAB-8
	AdaBoost Algorithm
	concidening AdaBoost Algorithm. For the following sample data, show the perision stump calculation
	compa Interactivenes & Practical comm Fob Profi
	>=9 Yes Good Grood Yes
	19 NO Good Moderate Yes
	2=9 No Average Moderate No
	19 No Average Good No
	>=9 Yes Growd Moderate Yes
	>= 9 Yes Good Moderate Yes
	Instance CapA Job Profile
	1 >= 9
	2 29 Yes
	3:9
	4 2 9 No
	7.57
	P 15 1
	step 2:- Initialize weight
	· Total = 6 sample s
	. fach sample weight = 1/6 = 0.1667
	step-3:- Decision stump Based on CGPA  If (GPA >= 9 then predict "Yes", plse  predict "X/6"

	Bafna Gold— Date: Page:
	Instance (CopA Bue Label Brediction Cornect?
	Yes Yes
	3 Yes No X
	y cg No Yes x
	No No
	T See Yes V
	P 167 \
	2120-4: 000:111
	etep-4:- weighted stror (E)  · Misclassified: 7)
	· Misclassified: Instance 2 & 3 - Weight per instance = 1/6
	E= 1/6+1/6=2/6=0.3333
	70 20 2333
	step 5:-
	$d = 1 \ln(1-\epsilon)$
	2 ( E )
	= 1 ln [1-0.333] = 0.3466
	0.333
	Contract (contract)
- 4	exep-b:- Final Decision stump rule
	weight from = 0.3333
	Alpha = 0. 3466
	Do (apasig -) Predict Yes;
	else -> Bredict No
6)	For the state of t
	For "income.csv" Latase +
	what is the best accuracy score a confusion
	matrix of the classifier you observed &
A	Accuracy 88.2.1.
7)	Predict
	0 7101 303
	True 1. 1303 1052