Take a look at this table constructed from	decie
Take a look at this table constructed from	-Toronat

1					
	cutlook	Temp	Humidity	Wind	Play Gost
N	Rainy	Hot	High	Weak	No
	Rainy	Hot	High	Strong	No.
	Overcost	Hot	High	Weak	Yes
	Sunny	Mild	Hìgh	Weak	Yes
	Sunny	Cool	Mormal	Weak	Yes
	Synny	Cool	Normal	Strong	No
	Quercast	cool	Normal	Strong	YOS
	Rainy	Mild	High	weak	No
	Rainy	Cool	Namal	Weak	Nes
	Sunny	MILIA	Namal	weak	Yes
	Rainy	Mild	Normal	Strong	Yes
	Overast	Mild	High	Stoong	Yes
The same	Overcast	11.11	Normal	weak	Yes
1	Sunny	Mild	Hìgh	Shong	No

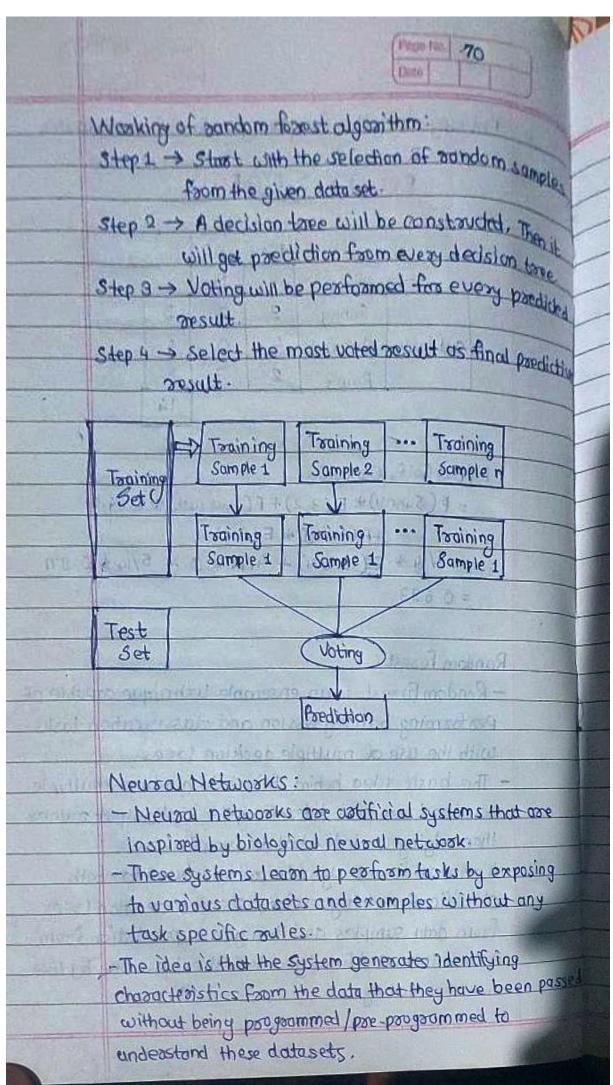
a) Entropy using the frequency table of one attribute:

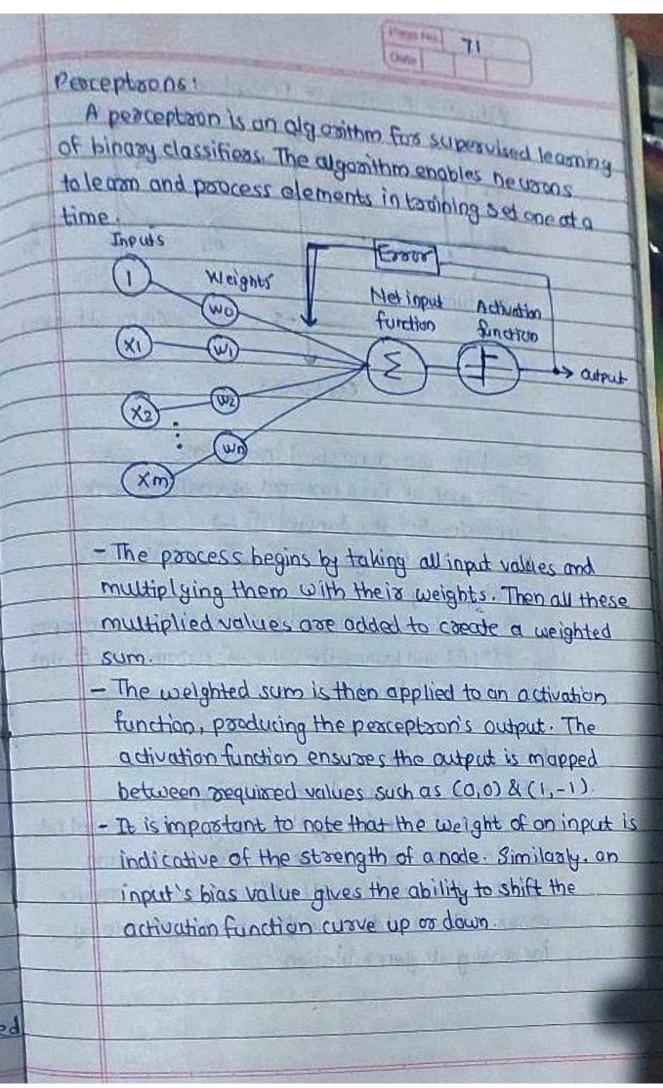
Play Golf		Golf	-> Entopy (Play Galf)
	Y	N	Entropy (5,9) Entropy (5/4, 9/4)
	9	5	Entarpy (5/4, 9/4)
	1 0		Entropy (0.36, 0.64)

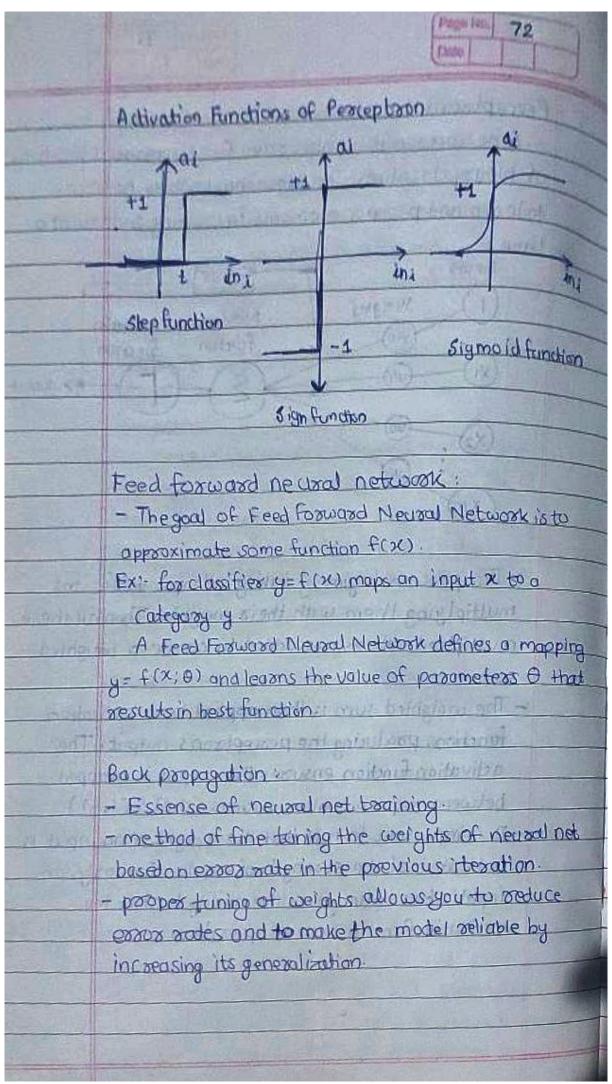
= - (0.36 \ \text{log_2 0.36}) - (0.64 \ \ \text{log_2 0.64})

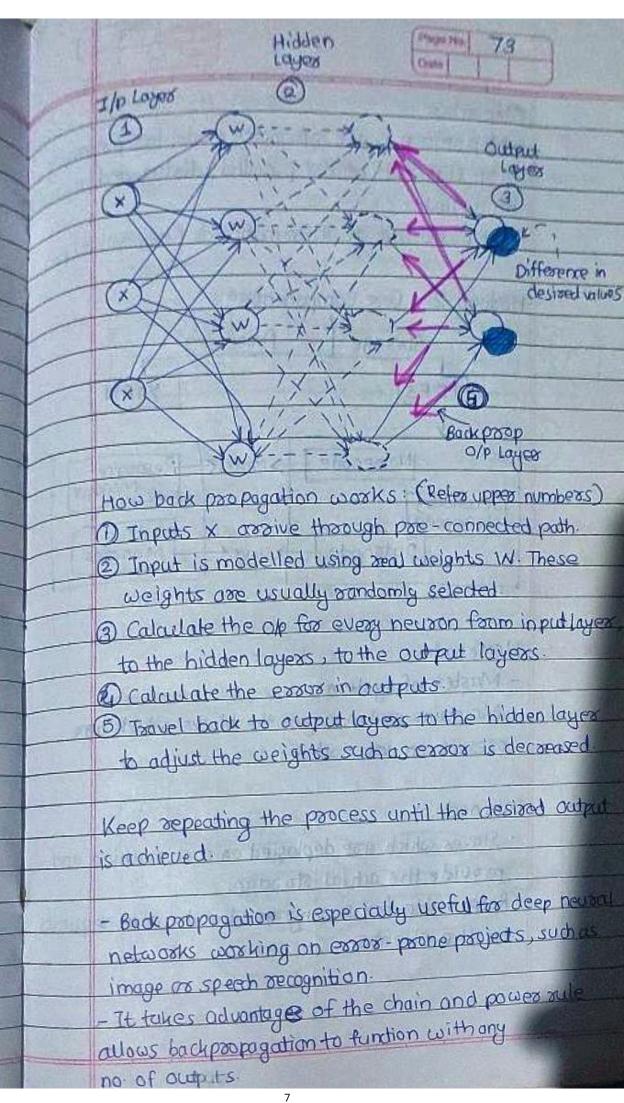
= 0.94

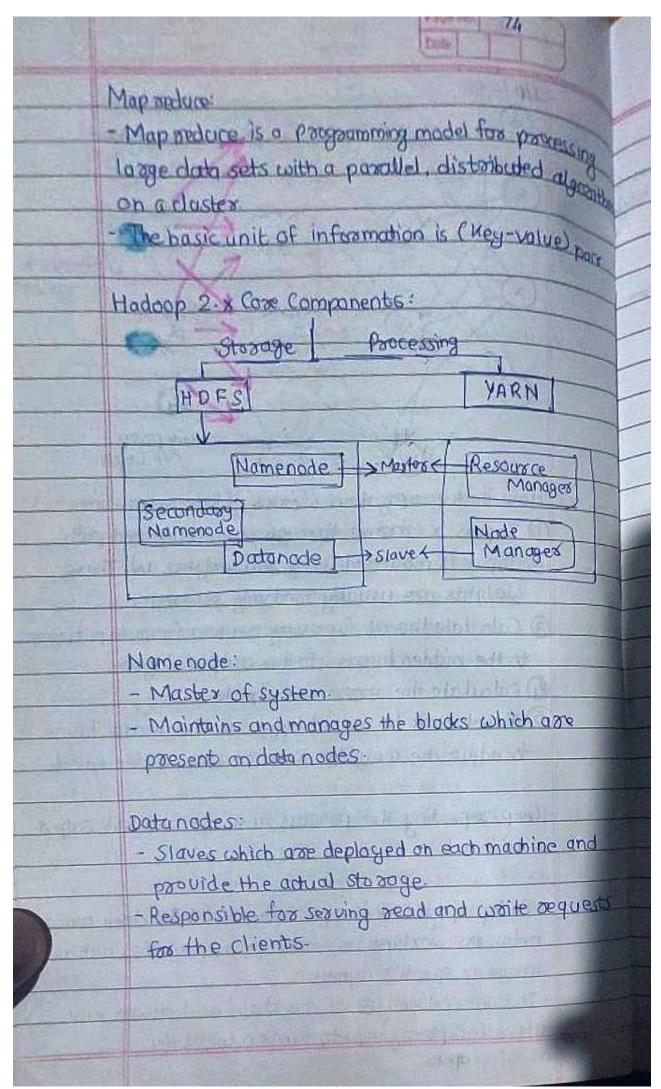
p Entropy using the frequency table of two abstractes ECT.X) = E PCO ECO Play Golf A congress of the H WALL TO SERVICE STATE OF Sunny 3 2 5 4 out look | Over cost 0 4 5 2 3 Rainy 14 second --- percent percent E (Play Golf, Outlook) = P (Sunny) * E (3,2) + P (Over (ast) * E (4,0) +p (Rainy) * E (3,2) = 5/14 * = (0.971) + 4/14 * 0 + 5/14 * 0.971 = 0.693 SenT Random Forest: - Rondom Forest is an ensemble technique capable of performing both regression and classification tasks with the use of multiple decision trees - The basic idea behind this is to combine multiple decision trees and determining the final output rather than selying an individual decision trees. - A random forest algorithm, which is used for both classification & regression, creates decision trees from data samples and then gets a propodiction from each of them and finally selects the best one by the means of voting.

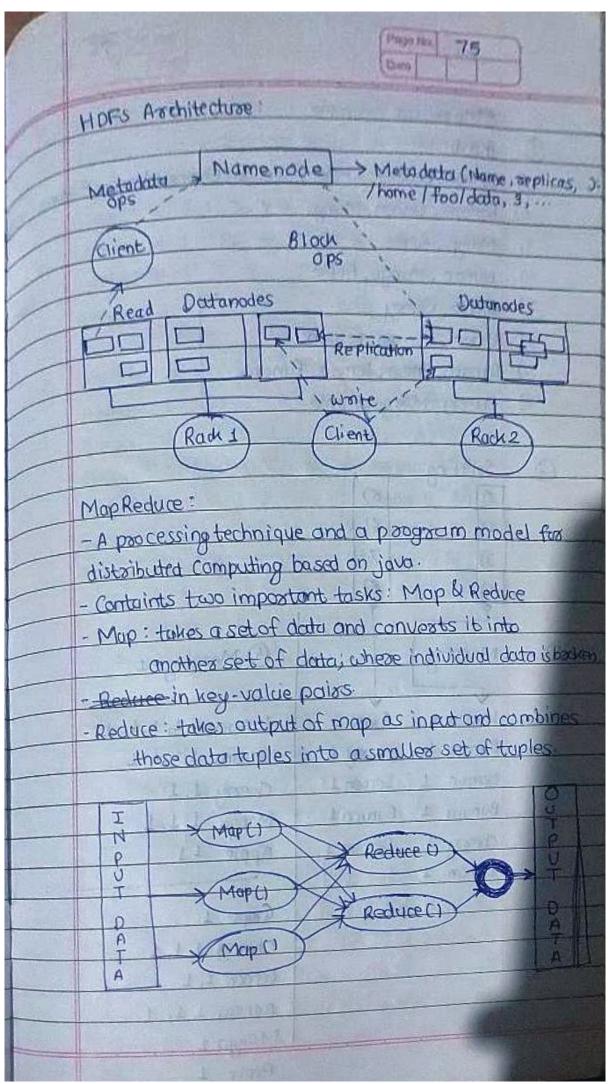


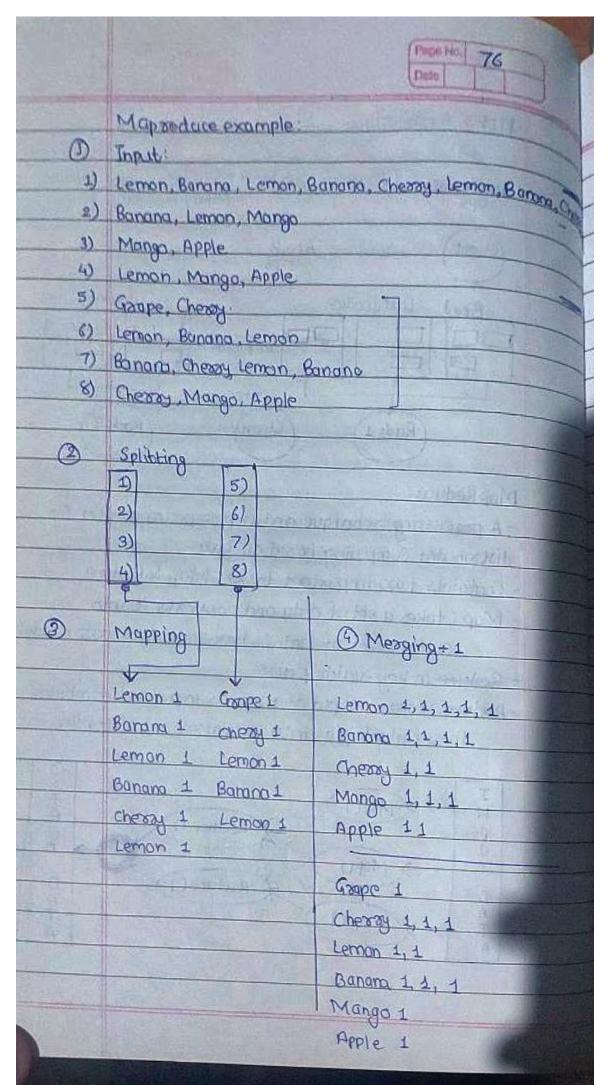












6	Meshing - 5
V	Lemon 1, 1, 1, 1, 1, 1
	Barrana 1, 1, 1, 1, 1, 1
1	cherry 1, 1, 1, 1, 1
-	Mango 1, 1, 1, 1 Apple 1, 1, 1
0	Sorting D Reduces
- W	Apple 1, 1, 1 Apple 3
	Banona 1, 1, 1, 1, 1, 1, 1 Banona: 7
	Cherry 1, 1, 1, 1, 1 Cherry: 5
	Grape 1 Grape 1
	Lemon 1, 1, 1, 1, 1, 1 Lemon: 7
	Mango 1, 1, 1 Mango : 4
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	pendo gidalisti de Policapi I-samue, de deservir de la
	MELLET AND MINES
	LEAGE LIGHTING TO THE
	Series de la facilitation de la
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