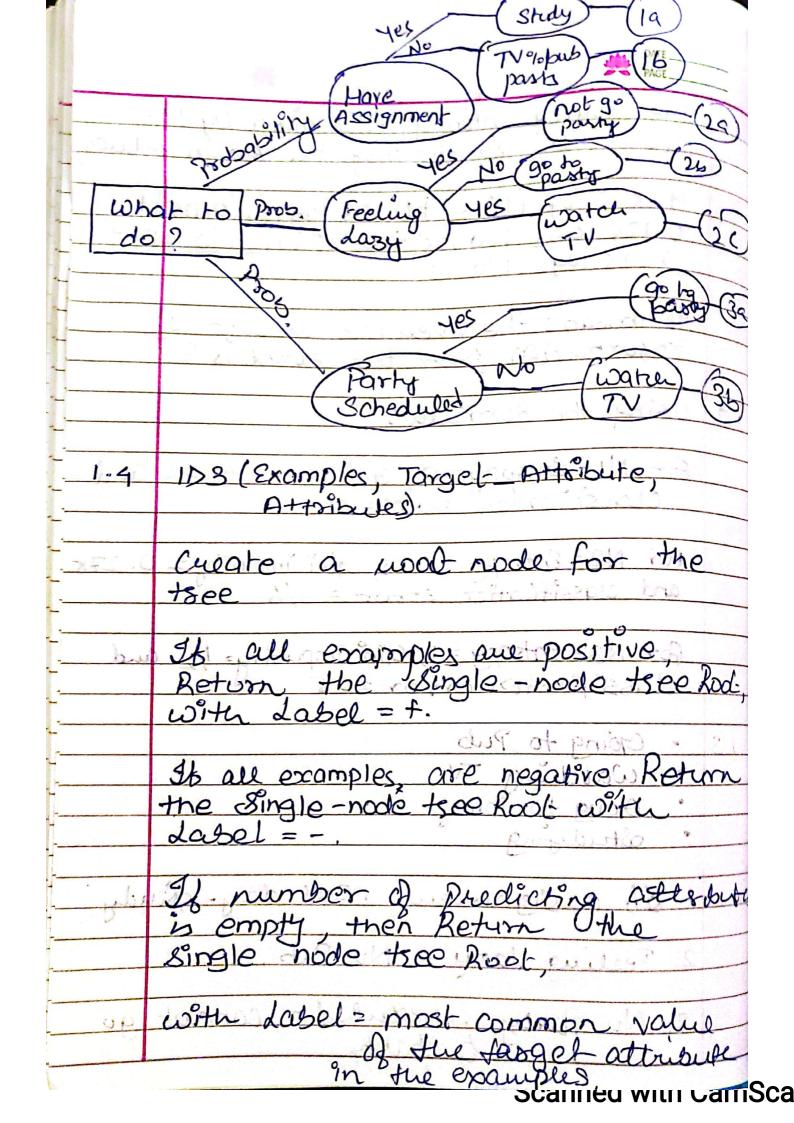
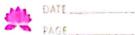


	SYOL PAGE
1.1	The source entropy, His given by H= pulog_2(1/Pu) substituting the known values,
	H=0.5 log2 (1/0.5)+0.125 log2 (1/0.125)+
	$H = 0.5 \log_2(1/0.5) + 0.125 \log_2(1/0.125) + 0.125 \log_2(1/0.125) + 0.125 \log_2(1/0.125) + 0.125 \log_2(1/0.125) = 2$
	It means the average amount of information from the event is 2.
1.2	The state of the s
1. 6	Using the formula:
	For N1 - 8nt - 000
	for NI-Entropy = 0, Gini impurity = 0 and Classification ever = 0
	and classification error = 1/6
	for N3- Entropy = 1, Gini impurity = 1/2 and
Jan	classification error = or
	Little Labor = f.
1.3	· Cloing to Pub
MY	Je all examples out opening the de
	Going to Paulay short along ont
	· Studying -= Joseph
3	1 41 00 100 100 100 1
	no assignment next day- study
	2. Feeling Jary - No Pub.
	J ~ 30
	3. No Party screduled - cannot go
	toparty
	Scanned with Camsca





PAGE
Otherwise Begin
A - The attribute that best classified examples.
Decision Tree attribute for root 2A
Add a new true branch below noot, corresponding to the test
Let Examples (Vi) be the subset of examples that have the value vi for A
If examples (Vi) is empty
If examples (Vi) is empty Then below this new branch add a deaf node with datel = most common target
Values in the examples Else, below this new branch add the Blustres IDS (Example(Vi) target - attribute, attributes-[A])
add the Busher IDS (Example (VI)
target - attribute, attributes - [A]
End
Return, Root

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