Expt. No1 Page No1	_
Implement and demostrate the FIND-S algorithm John finaling the most specific hypothesis based on a set of training data samples. Read the training data John a . CSV file.	
from pandas import DataFrame data = DataFrame. from _csv ('c: Users user Desktop	1
Column Length = data. Shape [1] posint (data) h = ['o'] * (Column Length - 1]	
hp=[] hn=[] for training Example in data values:	
if training Example [-1]! = 'no': hp append (list (training Example)) else: hn append (list (training Example))	
for i in range (len(hp)): for j in range (columnlength-1): if (h[j] =='0'):	,
h[j] = h=[:hp[i][j] i] (h[j]! = hp[i][j]): h[j] = '?' c(se:	
print ("In The positive hypothesis are: ",hp); print ("In The negative hypothesis are: ",hn);	
paint ("In The maximally specific hypothesis is: ", h); Teacher's Signature:	

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output :-

SL.No	Sky	Arm Temp	Humidity	wind	waten	Fonecast	Enjoy Spot		
1.	Sunny	wann	nogmal	strong					
3 .	Sunny	Wanm	high	strong	Massu	Same	પ્રહ		
1	Rainy		high	stong	men	Change	100		
4.	Surva	Wagn	high	Steong	Cool	change	Aer		

The positive hypothesis are:

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[['sunny', 'wasm', 'normal', 'strong', 'wasm', 'same', 'yes'], ['sunny', 'wasm', 'high', 'strong', 'wasm', 'strong', 'strong', 'cool'; 'change', 'yes']]
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The negative hypothesis ane:

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[['nainy', 'cold', 'high', 'strong', 'warm', 'change', 'no']]

The maximally hypothesis is:

['sunny', 'warm', '9', 'Strong', '9', '9']
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