BINDIYA C.M, 4MTITCS028

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```
Implement and demonstrate the FIND-s algorithm for
finding the most specific hypothesis based on
set of training data samply. Read the training data
from a · csv fele
from panday emport DotaFrome
dota = Data Frame . from _ CSV ('labl . csv')
column Length = data. Shape [1]
Drint (data)
h=['0'] * (column Length-1)
hn=[]
 for training Example in data values:
    if training Example [-1] != 'no':
      hp. append (list (training Example))
       hn. append (18st (training Example))
 for i in range (len (hp)):
   for j in lange (column Lingth - 1):
       h[j] = hp[i][j]
      if (h[]] = pp[][]):
 print ("In The positive hypother are: ", hp)
 print ("In The negative hypothesis are: ", hn)
 print (In The maximally specific hypothely is:
```

Output:

slono	Sky	ArrTemp	Humedry	wind	water	forecast	EnjoySpor
1	Sunny	warm	normal	strong	Harm	Same	yes
2	Sunny	warm	high	strong	warm	Same	449
		warm	nigh	strong	warm	chonge	no

The positive hypothese are:

```
[['sunny', 'warm', 'normal', 'strong', 'warm', 'same', 'yel'],
['sunny', 'warm', 'high', 'strong', 'warm', 'same', 'yel'],
['sunny', 'warm', 'high', 'strong', 'cool', 'change', 'yel']]
```

The negative hypothesis are:

```
[['rainy', 'cold', 'high', 'strong', 'warm', 'change', 'no']]
```

The maximally specific hypothelis v: ['sunny', 'warm', '?', 'strong', '?', '?']