\_#to read the data in the csv file

data = pd.read\_csv("/content/sample\_data/enjoysport.csv")

print(data,"n")

#making an array of all the attributes

d = np.array(data)[:,:-1]

print("n The attributes are: ",d)

#segragating the target that has positive and negative examples

target = np.array(data)[:,-1]

print("n The target is: ",target)

#training function to implement find-s algorithm

def train(c,t):

    for i, val in enumerate(t):

        if val == "Yes":

            specific\_hypothesis = c[i].copy()

            break

    for i, val in enumerate(c):

        if t[i] == "Yes":

            for x in range(len(specific\_hypothesis)):

                if val[x] != specific\_hypothesis[x]:

                    specific\_hypothesis[x] = '?'

                else:

                    pass

                    return specific\_hypothesis

#obtaining the final hypothesis

print("n The final hypothesis is:",train(d,target))

**OUTPUT:**-

sky AirTemp Humidity Wind Water Forecast Enjoy\_sport

0 sunny warm high same warm same yes

1 rainy cold wind same warm change no

2 rainy cold weak change cool same no

3 cloudy cold strong change warm same yes

4 sunny warm high change cool change no

5 rainy cold wind same cool same yes

6 cloudy cold strong change warm same yes n

n The attributes are: [['sunny ' 'warm' 'high' 'same' 'warm' 'same ']

['rainy' 'cold' 'wind' 'same' 'warm' 'change']

['rainy' 'cold' 'weak' 'change' 'cool' 'same ']

['cloudy' 'cold' 'strong' 'change' 'warm' 'same ']

['sunny ' 'warm' 'high' 'change' 'cool' 'change']

['rainy' 'cold' 'wind' 'same' 'cool' 'same ']

['cloudy' 'cold' 'strong' 'change' 'warm' 'same ']]

n The target is: ['yes' 'no' 'no' 'yes' 'no' 'yes' 'yes']

n The final hypothesis is: None