import pandas as pd

data = {

'Sky': ['Sunny', 'Sunny', 'Rainy', 'Sunny'],

'Air Temp': ['Warm', 'Warm', 'Cold', 'Warm'],

'Humidity': ['Normal', 'High', 'High', 'High'],

'Wind': ['Strong', 'Strong', 'Strong', 'Strong'],

'Water': ['Warm', 'Warm', 'Warm', 'Cool'],

'Forecast': ['Same', 'Same', 'Change', 'Change'],

'Enjoy Sport': ['Yes', 'Yes', 'No', 'Yes']

}

df = pd.DataFrame(data)

def find\_s\_algorithm(dataframe):

features = dataframe.iloc[:, :-1].values

target = dataframe.iloc[:, -1].values

hypothesis = None

for i in range(len(target)):

if target[i] == 'Yes':

hypothesis = features[i].copy()

break

for i in range(len(features)):

if target[i] == 'Yes':

for j in range(len(hypothesis)):

if hypothesis[j] != features[i][j]:

hypothesis[j] = '?'

return hypothesis

hypothesis = find\_s\_algorithm(df)

print('The most specific hypothesis is:', hypothesis)

