Practical 1

Write a program to demonstrate FIND-S algorithm for finding the most specific hypothesis based on a given set of training data samples. Read the training data from a .CSV file.

Program:-

import pandas as pd

df = pd.read\_csv("dataset.csv")

data = df.drop('Goes',axis='columns')

target = df.Goes

def train(concept,target):

for i, val in enumerate(target):

if val == "Yes":

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

break

for i, val in enumerate(concept):

if target[i] == "Yes":

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

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

specific\_hypothesis[x] = '?'

else:

pass

return specific\_hypothesis

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

OUTPUT

