## 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

```
The final hypothesis is: ['?' 'Sunny' '?' 'Yes' '?' '?']
```