1. **For a given set of training data examples stored in a .CSV file, implement and demonstrate the Find-S algorithm to output a description of the set of all hypotheses consistent with the training examples.**

```
import numpy as np
import pandas as pd
data=pd.read_csv('4.csv')
print("Data set is ----\n")
print(data)
concepts=np.array(data.iloc[:,0:-1])
target=np.array(data.iloc[:,-1])
print ("\n The most specific hypothesis : ['0','0','0','0','0','0']\n")
for i,val in enumerate(target):
    if val =="yes":
        specific_h=concepts[i]
        break
for i,h in enumerate(concepts):
    if target[i]=="yes":
        for x in range(len(specific_h)):
            if h[x]==specific_h[x]:
                pass
            else:
                specific_h[x]="?"
        print(f"Iteration {i}: {specific_h}")

print("\nMaximally specific hypothesis is\n",specific_h)
```