LAB PROGRAM – CANDIDATE ELIMINATION ALGORITHM

```
import pandas as pd
import numpy as np
data = pd.read csv('Training examples.csv')
concept = np.array(data)[:,:-1]
print("The concepts to be learned")
print(concept)
target = np.array(data)[:,-1]
print("\nLabels specific to the concepts\n")
print(target)
print("\n")
def learn(concept,target):
       specific_h = concept[0].copy()
       general h = [['?' for i in range(len(specific h))] for i in range(len(specific h))]
       for i,h in enumerate(concept):
               if target[i]=='Yes':
                       for j in range(len(specific h)):
                              if h[j]!=specific h[j]:
                                      specific_h[j]='?'
                                      general_h[j][j]='?'
               elif target[i]=='No':
                       for j in range(len(specific_h)):
                              if h[j]!=specific_h[j]:
```