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|  | **EXP.NO: 4**  **DATE: 02-08-2023** |
| **Aim:** Implementing Candidate Elimination algorithm using python  **Training Database**    **Source Code:**  import csv  with open("enjoysport.csv") as f:  csv\_file = csv.reader(f)  data = list(csv\_file)  print(data)  print("--------------------")  s = data[1][:-1] # Extracting one row or instance or record  g = [['?' for i in range(len(s))] for j in range(len(s))]  print(s)  print("--------------------")  print(g)  print("--------------------")  for i in data:  if i[-1] == "yes": # For each positive training record or instance  for j in range(len(s)):  if i[j] != s[j]:  s[j] = '?'  else: # For each negative training record or example  for j in range(len(s)):  if i[j] != s[j]:  g[j][j] = '?'  print("\nSteps of Candidate Elimination Algorithm", data.index(i) + 1)  print(s)  print(g)  gh = []  for i in g:  temp = []  for j in i:  if j != '?':  temp.append(j)  if temp:  gh.append(temp)  print("\nFinal specific hypothesis:\n", s)  print("\nFinal general hypothesis:\n", gh)  **Output:** | |