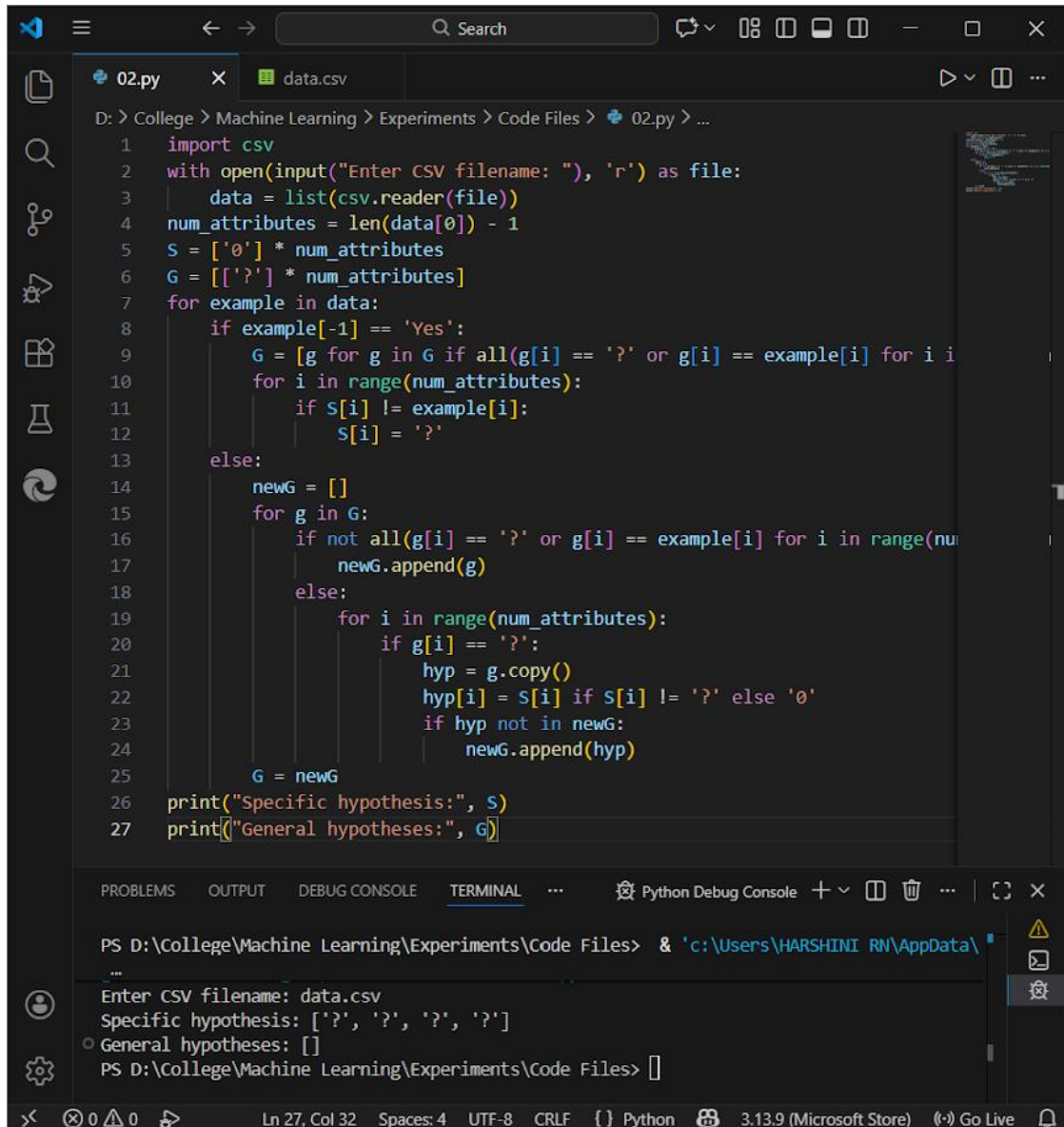


EXPERIMENT – 2

OUTPUT:



```
1 import csv
2 with open(input("Enter CSV filename: "), 'r') as file:
3     data = list(csv.reader(file))
4 num_attributes = len(data[0]) - 1
5 S = ['0'] * num_attributes
6 G = [['?'] * num_attributes]
7 for example in data:
8     if example[-1] == 'Yes':
9         G = [g for g in G if all(g[i] == '?' or g[i] == example[i] for i in
10             range(num_attributes)):
11             if S[i] != example[i]:
12                 S[i] = '?'
13     else:
14         newG = []
15         for g in G:
16             if not all(g[i] == '?' or g[i] == example[i] for i in range(num
17                 attributes)):
18                 newG.append(g)
19             else:
20                 for i in range(num_attributes):
21                     if g[i] == '?':
22                         hyp = g.copy()
23                         hyp[i] = S[i] if S[i] != '?' else '0'
24                         if hyp not in newG:
25                             newG.append(hyp)
26         G = newG
27 print("Specific hypothesis:", S)
28 print("General hypotheses:", G)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL Python Debug Console

PS D:\College\Machine Learning\Experiments\Code Files> & 'c:\Users\HARSHINI RN\AppData\...

Enter CSV filename: data.csv
Specific hypothesis: ['?', '?', '?', '?']
General hypotheses: []
PS D:\College\Machine Learning\Experiments\Code Files>

Ln 27, Col 32 Spaces: 4 UTF-8 CRLF Python 3.13.9 (Microsoft Store) Go Live