

exp2_candidate.py - E:/machine_learning_lab_exp/exp2_candidate.py (3.10.11)

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```
S = ['0','0','0','0','0','0']
G = ['?','?','?','?','?','?']
```

```
data = [
['Sunny','Warm','Normal','Strong','Warm','Same','Yes'],
['Sunny','Warm','High','Strong','Warm','Same','Yes'],
['Rainy','Cold','High','Strong','Warm','Change','No']
]
```

```
for row in data:
    if row[-1] == 'Yes':
        for i in range(6):
            if S[i] == '0':
                S[i] = row[i]
            elif S[i] != row[i]:
                S[i] = '?'
    else:
        for i in range(6):
            if G[i] == '?':
                G[i] = S[i]
```

```
print("Specific Boundary S =", S)
print("General Boundary G =", G)
```

IDLE Shell 3.10.11

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Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 64 bit (AMD64)] on win32

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>>>

===== RESTART: E:/machine_learning_lab_exp/exp2_candidate.py =====

Specific Boundary S = ['Sunny', 'Warm', '?', 'Strong', 'Warm', 'Same']

General Boundary G = ['Sunny', 'Warm', '?', 'Strong', 'Warm', 'Same']

>>>