

```

def find_s(training_data):
    for row in training_data:
        if row[-1] == 'Yes':
            hypothesis = row[:-1]
            break
    for row in training_data:
        if row[-1] == 'Yes':
            for i in range(len(hypothesis)):
                if hypothesis[i] != row[i]:
                    hypothesis[i] = '?'
    return hypothesis

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

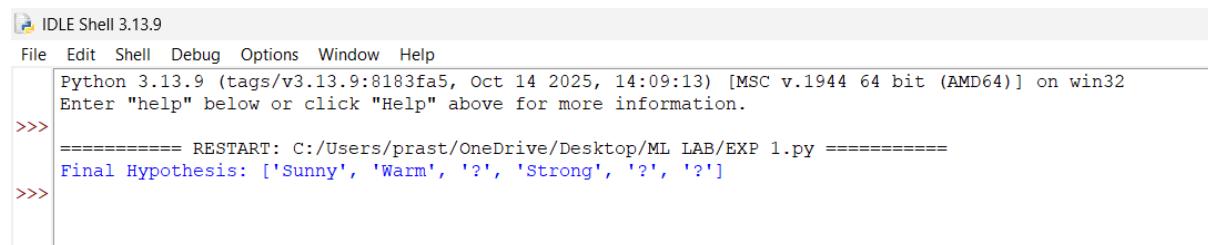
```

```

final_hypothesis = find_s(training_data)
print("Final Hypothesis:", final_hypothesis)

```

OUTPUT:



```

IDLE Shell 3.13.9
File Edit Shell Debug Options Window Help
Python 3.13.9 (tags/v3.13.9:8103fa5, Oct 14 2025, 14:09:13) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>> ===== RESTART: C:/Users/prast/OneDrive/Desktop/ML LAB/EXP 1.py =====
Final Hypothesis: ['Sunny', 'Warm', '?', 'Strong', '?', '?']
>>>

```