

EXPERIMENT 1:

Training data

```
data = [  
    ['Sunny', 'Warm', 'Yes'],  
    ['Sunny', 'Cold', 'Yes'],  
    ['Rainy', 'Warm', 'NO']  
]
```

Initialize hypothesis

hypothesis = None

Find-S Algorithm

for row in data:

if row[-1] == 'Yes': # Consider only positive examples

if hypothesis is None:

hypothesis = row[:-1] # Initialize with first positive example

else:

for i in range(len(hypothesis)):

if hypothesis[i] != row[i]:

hypothesis[i] = '?'

Output

Clear

Most Specific Hypothesis: ['Sunny', '?']

=== Code Execution Successful ===