

```

import csv
num_attributes = 6
a = []
print("\n The Given Training Data Set \n")
with open('enjoysport.csv', 'r') as csvfile:
    reader = csv.reader(csvfile)
    for row in reader:
        a.append(row)
        print(row)

print("\n The initial value of hypothesis: ")
hypothesis = ['0'] * num_attributes
print(hypothesis)

for j in range(0,num_attributes):
    hypothesis[j] = a[0][j];

print("\n Find S: Finding a Maximally Specific Hypothesis\n")

for i in range(0,len(a)):
    if a[i][num_attributes]!='yes':
        for j in range(0,num_attributes):
            if a[i][j]!=hypothesis[j]:
                hypothesis[j]='?'
            else :
                hypothesis[j]= a[i][j]

print(" For Training instance No:{0} the hypothesis
is".format(i),hypothesis)
print("\n The Maximally Specific Hypothesis for a given Training
Examples :\n")
print(hypothesis)

```