```
In [5]:
```

```
import csv
a=[]
```

In [6]:

```
with open('enjoysports.csv','r') as csvfile:
    for row in csv.reader(csvfile):
        a.append(row)
    print(a)

print("\nThe Total Number of Training Instances are: ",len(a))
```

```
[['sunny', 'warm', 'normal', 'strong', 'warm', 'same', 'yes'], ['sunny', 'wa
rm', 'high', 'strong', 'warm', 'same', 'yes'], ['rainy', 'cold', 'high', 'st
rong', 'warm', 'change', 'no'], ['sunny', 'warm', 'high', 'strong', 'cool',
'change', 'yes']]
```

The Total Number of Training Instances are: 4

In [7]:

```
The Initial Hypothesis is:

['0', '0', '0', '0', '0', '0']

The Hypothesis for the training instance 1 is:

['sunny', 'warm', 'normal', 'strong', 'warm', 'same']

The Hypothesis for the training instance 2 is:

['sunny', 'warm', '?', 'strong', 'warm', 'same']

The Hypothesis for the training instance 3 is:

['sunny', 'warm', '?', 'strong', 'warm', 'same']

The Hypothesis for the training instance 4 is:

['sunny', 'warm', '?', 'strong', '?', '?']
```

In [8]:

```
print("\nThe Maximally Specific Hypothesis for the training instance is ")
print(hypothesis)
```

```
The Maximally Specific Hypothesis for the training instance is ['sunny', 'warm', '?', 'strong', '?', '?']
```