In [7]:
```
import random
import csv
```

In [8]:
```
attributes = [['Sunny','Rainy'],
              ['Warm','Cold'],
              ['Normal','High'],
              ['Strong','Weak'],
              ['Warm','Cool'],
              ['Same','Change']]


num_attributes = len(attributes)
```

In [9]:
```
print (" \n The most general hypothesis : ['?','?','?','?','?','?']\n")
print ("\n The most specific hypothesis : ['0','0','0','0','0','0']\n")
```

```
 The most general hypothesis : ['?','?','?','?','?','?']


 The most specific hypothesis : ['0','0','0','0','0','0']
```

In [11]:
```
a = []
print("\n The Given Training Data Set \n")
with open('ws.csv', 'r') as csvFile:
    reader = csv.reader(csvFile)
    for row in reader:
        a.append (row)
        print(row)
```

```
 The Given Training Data Set

['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']
```

In [17]:
```
print("\n The initial value of hypothesis: ")
hypothesis = ['0'] * num_attributes
print(hypothesis)
```

```
 The initial value of hypothesis:
['0', '0', '0', '0', '0', '0']
```

In [ ]: