In [8]:
```
import csv
import numpy as np
```

In [9]:
```
with open('Enjoy-sport.csv', 'r') as f:
    reader = csv.reader(f)
    data = list(reader)
print(data,"n")
```

```
[['Sky', 'AirTemp', 'Humidity', 'Wind', 'Water', 'Forecast', 'EnjoySPort'], ['sunny', 'wa
rm', 'normal', 'strong', 'warm', 'same', 'yes'], ['sunny', 'warm', 'high', 'strong', 'war
m', 'same', 'yes'], ['rainy', 'cold', 'high', 'strong', 'warm', 'change', 'no'], ['sunn
y', 'warm', 'high', 'strong', 'cool', 'change', 'yes']] n
```

In [10]:
```
d = np.array(data)[:,:-1]
print("The Attributes are: ",d)
```

```
The Attributes are:  [['Sky' 'AirTemp' 'Humidity' 'Wind' 'Water' 'Forecast']
 ['sunny' 'warm' 'normal' 'strong' 'warm' 'same']
 ['sunny' 'warm' 'high' 'strong' 'warm' 'same']
 ['rainy' 'cold' 'high' 'strong' 'warm' 'change']
 ['sunny' 'warm' 'high' 'strong' 'cool' 'change']]
```

In [11]:
```
h = ['0', '0', '0', '0', '0', '0']
```

In [12]:
```
for row in data:
    if row[-1] == 'yes':
        j = 0
        for col in row:
            if col != 'yes':
                if col != h[j] and h[j] == '0':
                    h[j] = col
                elif col != h[j] and h[j] != '0':
                    h[j] = '?'

            j = j + 1
```

In [13]:
```
print('Maximally Specific Hypothesis: ', h)
```

```
Maximally Specific Hypothesis:  ['sunny', 'warm', '?', 'strong', '?', '?']
```

In [ ]: