In [1]:
```
import pandas as pd
import numpy as np

data = pd.read_csv("data_lab_1.csv")
values = np.array(data.iloc[:,0:-1])
target = np.array(data.iloc[:,-1])
```

In [2]:
```
def candidate_algorithm(values, target):
    specific_hyp = values[0].copy()
    general_hyp = [["?" for i in range(len(specific_hyp))] for i in rang
e(len(specific_hyp))]

    for i, h in enumerate(values):
        if target[i] == "yes":
            for x in range(len(specific_hyp)):
                if h[x]!= specific_hyp[x]:
                    specific_hyp[x] ='?'
                    general_hyp[x][x] ='?'

        if target[i] == "no":
            for x in range(len(specific_hyp)):
                if h[x]!= specific_hyp[x]:
                    general_hyp[x][x] = specific_hyp[x]
                else:
                    general_hyp[x][x] = '?'

    return specific_hyp, [val for val in general_hyp if val != ['?', '?'
, '?', '?', '?', '?']]
```

In [4]:
```
candidate_algorithm(values, target)
```

Out[4]:
```
(array(['sunny', 'warm', '?', 'strong', '?', '?'], dtype=object),
 [['sunny', '?', '?', '?', '?', '?'], ['?', 'warm', '?', '?', '?',
'?']])
```