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

data = pd.read_csv('play.csv')
data.head()
```

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Out[1]:
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	sky	temp	humid	wind	water	forecast	play
0	sunny	warm	normal	strong	warm	same	yes
1	sunny	warm	high	strong	warm	same	yes
2	rainy	cold	high	strong	warm	same	no
3	sunny	warm	high	strong	cool	change	yes

```
In [2]: concept = np.array(data)[:,-1]
target = np.array(data)[:,-1]

def train(tar,con):
    for i,val in enumerate(tar):
        if val == 'yes':
            specific = con[i].copy()
            break
    for i,val in enumerate(con):
        if tar[i] == 'yes':
            for x in range(len(specific)):
                if val[x] != specific[x]:
                    specific[x] = '?'
            else:
                pass
            print("specific [", (i+1), "]:",
                  str(specific))
    return specific
print(train(target,concept))

specific [ 1 ]: ['sunny' 'warm' 'normal' 'strong' 'warm' 'sam
e']
specific [ 2 ]: ['sunny' 'warm' '?' 'strong' 'warm' 'same']
specific [ 4 ]: ['sunny' 'warm' '?' 'strong' '?' '?']
```

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In [ ]:
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