

```

import pandas as pd
import numpy as np
data= pd.read_csv("data.csv")
sample=np.array(data)[:,-1]
sample
target= np.array(data)[:,-1]
target
for i,val in enumerate(target):
    if val=="yes":
        hyp=sample[i].copy()
        break
for i,val in enumerate(sample):
    if target[i]=="yes":
        for x in range(len(hyp)):
            if val[x]!=hyp[x]:
                hyp[x]="?"
            else:
                continue
print(hyp)

```

```

[1] import pandas as pd
import numpy as np

[8] data= pd.read_csv("data.csv")
sample=np.array(data)[:,-1]
sample
target= np.array(data)[:,-1]
target
array(['yes', 'yes', 'no', 'yes'], dtype=object)

for i,val in enumerate(target):
    if val=="yes":
        hyp=sample[i].copy()
        break
for i,val in enumerate(sample):
    if target[i]=="yes":
        for x in range(len(hyp)):
            if val[x]!=hyp[x]:
                hyp[x]="?"
            else:
                continue

[11] print(data)

```

	sky	air	temp	humidity	wind	water	forecast	enjoy	sport
0	sunny	warm	normal	strong	warm	same		yes	
1	sunny	warm	high	strong	warm	same		yes	
2	rainy	cold	high	strong	warm	change		no	
3	sunny	warm	high	strong	cool	change		yes	

```

print(hyp)
['sunny' 'warm' '?' 'strong' '?' '?']

```