```
from google.colab import files
uploaded = files.upload()
```

Choose Files weather.csv

- **weather.csv**(text/csv) - 142 bytes, last modified: 1/26/2025 - 100% done

```
Saving weather.csv to weather.csv
```

```
import pandas as pd
import numpy as np
```

```
df =pd.read_csv('weather.csv')
```

```
df
```

	sky	temp	humidity	wind	isPlay
0	sunny	warm	normal	strong	yes
1	sunny	warm	high	strong	yes
2	rainy	cold	high	strong	no
3	sunny	warm	high	weak	yes

Next steps: Generate code with df | View recommended plots | New inter

```
df.describe()
```

	sky	temp	humidity	wind	isPlay
count	4	4	4	4	4
unique	2	2	2	2	2
top	sunny	warm	high	strong	yes
freq	3	3	3	3	3

```
X= df.drop(columns=['isPlay'])
X
```

	sky	temp	humidity	wind
0	sunny	warm	normal	strong
1	sunny	warm	high	strong
2	rainy	cold	high	strong
3	sunny	warm	high	weak

Next steps: Generate code with X | View recommended plots | New intera

```
y=df["isPlay"]
y
```

weather.csv

1 to 4 of 4 entries Filter

sky	temp	humidity	wind	isPlay
sunny	warm	normal	strong	yes
sunny	warm	high	strong	yes
rainy	cold	high	strong	no
sunny	warm	high	weak	yes

Show 10 per page

	isPlay
0	yes
1	yes
2	no
3	yes

```
Xn=np.array(X)
```

```
print(Xn)
```

```
[['sunny' 'warm' 'normal' 'strong']
 ['sunny' 'warm' 'high' 'strong']
 ['rainy' 'cold' 'high' 'strong']
 ['sunny' 'warm' 'high' 'weak']]
```

```
yn=np.array(y)
```

```
print(yn)
```

```
['yes' 'yes' 'no' 'yes']
```

```
def train(X,y):
  for i,val in enumerate(y):
    if val=='yes':
      h=X[i].copy()
      break
  for i,val in enumerate(X):
    if y[i]=='yes':
      for z in range(len(h)):
        if val[z] !=h[z]:
          h[z]='?'
        else:
          pass
  return h
```

```
print(train(Xn,yn))
```

```
['sunny' 'warm' '?' '?']
```

```
Start coding or generate with AI.
```