[3]
```
# Importing Libraries
import pandas as pd
import numpy as np
```

[4]
```
#Uploading data set
data = pd.read_csv('sample1.csv')
```

[14]
```
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
```

[5]
```
#Creating array excluding the last column
concepts = np.array(data)[:,:-1]
```

[15]
```
print(concepts)
```

```
[['sunny' 'warm' 'normal' 'strong' 'warm' 'same']
 ['sunny' 'warm' 'high' 'strong' 'warm' 'same']
 ['rainy' 'cold' 'high' 'strong' 'warm' 'change']
 ['sunny' 'warm' 'high' 'strong' 'cool' 'change']]
```

[10]

```
# Creating the target variable
target = np.array(data)[:,-1]
```

[16]

```
print(target)
```

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

[24]

```
#Running the code with training data set
def train(con,tar):
    for i,val in enumerate(tar):
        if val=='yes':
            specific_h = con[i].copy()
            break

    for i,val in enumerate(con):
        if tar[i]=='yes':
            for x in range(len(specific_h)):
                if val[x] != specific_h[x]:
                    specific_h[x] = '?'
                else:
                    pass
    return specific_h
```

[17]

```
#Generating the output
print(train(concepts,target))
```

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