

In [1]:

```
import pandas as pd
df = pd.read_csv(r"Covid-19.csv")
```

In [4]:

```
from sklearn.model_selection import train_test_split
from sklearn.tree import DecisionTreeClassifier
X_train = df[['Dry Cough', 'High Fever', 'Sore Throat', 'Difficulty in breathing']]
Y_train = df[['Infected with Covid19']]
tree = DecisionTreeClassifier(max_leaf_nodes=6, random_state=0)
tree.fit(X_train, Y_train)
prediction = tree.predict([[15,15,20,16]])
```

In [5]:

```
prediction
```

Out[5]:

```
array(['Yes'], dtype=object)
```

In []: