```
import pandas as pd
 data=pd.read_csv(r"C:\Users\Divyasri\OneDrive\Desktop\AIML\fires.csv")
 data.head()
data.columns
 data.drop([124,122,123,168],axis=0,inplace=True)
 data.shape
x=data.iloc[ : , :-1].values
y=data.iloc[: ,-1].values
from sklearn.model_selection import train_test_split
xtrain,xtest,ytrain,ytest=train_test_split(x,y,test_size=0.2,random_state=0)
 from sklearn.tree import DecisionTreeClassifier
model=DecisionTreeClassifier(criterion='entropy')
model.fit(xtrain,ytrain)
ypred=model.predict(xtest)
from sklearn.metrics import accuracy_score
print(accuracy_score(ytest,ypred))
print(model.predict([[2, 6, 2012, 29, 61, 13, 1.3, 64.4, 4.1,
                                                                            7.€
 sample=pd.read csv(r"C:\Users\Divyasri\OneDrive\Desktop\AIML\pred.csv")
 sample.shape
p=model.predict(sample)
sample=pd.read csv(r"C:\Users\Divyasri\OneDrive\Desktop\AIML\pred.csv")
sample.shape
p=model.predict(sample)
sample['status']=p
sample.to_csv(r"C:\Users\Divyasri\OneDrive\Desktop\AIML\prediction.csv")
```

Output:-

0 1 1 2	6 6	2012	29	57	18	0	65.7	3.4	7.6	1.2	2.4	0
1 2	6	2042				U	03.7	5.4	7.6	1.3	3.4	0.5 not
	U	2012	29	61	13	1.3	64.4	4.1	7.6	1	3.9	0.4 not
2 3	6	2012	26	82	22	13.1	47.1	2.5	7.1	0.3	2.7	0.1 not
3 4	6	2012	25	89	13	2.5	28.6	1.3	6.9	0	1.7	0 not
4 5	6	2012	27	77	16	0	64.8	3	14.2	1.2	3.9	0.5 not