```
import pandas as pd
from sklearn.preprocessing import LabelEncoder
from sklearn import tree


df=pd.read_csv('/content/9salaries.csv')
df.head()
```

	company	job	degree	salary_more_then_100k
0	google	sales executive	bachelors	0
1	google	sales executive	masters	0
2	google	business manager	bachelors	1
3	google	business manager	masters	1
4	google	computer programmer	bachelors	0

```
inputs=df.drop('salary_more_then_100k',axis='columns')

target = df['salary_more_then_100k']

le_company = LabelEncoder()
le_job = LabelEncoder()
le_degree = LabelEncoder()

inputs['company'] = le_company.fit_transform(inputs['company'])
inputs['job'] = le_job.fit_transform(inputs['job'])
inputs['degree'] = le_degree.fit_transform(inputs['degree'])

inputs
```

	company	job	degree
0	2	2	0
1	2	2	1
2	2	0	0
3	2	0	1
4	2	1	0
5	2	1	1
6	0	2	1
7	0	1	0
8	0	0	0
9	0	0	1
10	1	2	0
11	1	2	1
12	1	0	0
13	1	0	1
14	1	1	0
15	1	1	1

```
target
```

```
0     0
1     0
2     1
3     1
4     0
5     1
6     0
7     0
8     0
9     1
10    1
11    1
12    1
13    1
14    1
15    1
Name: salary_more_then_100k, dtype: int64
```

```
model = tree.DecisionTreeClassifier()
model.fit(inputs,target)
```

```
▾ DecisionTreeClassifier
DecisionTreeClassifier()
```

```
model.score(inputs,target)
```

```
1.0
```