

EX NO : 12

DECISION TREE CLASSIFICATION

AIM:

To classify the social networks dataset using decision tree analysis.

SOURCE CODE

```
from google.colab import drive
drive.mount('/content/gdrive')

import pandas as pd
import numpy as np
import matplotlib.pyplot as plt

X = dataset.iloc[:, 2:3].values
y = dataset.iloc[:, -1].values

from sklearn.model_selection import
train_test_split

X_train, X_test, y_train, y_test =
train_test_split(
    X, y, test_size = 0.25, random-
    state = 0)

X_train = sc.fit_transform(X_train)
X_test = sc.transform(X_test)
```

