

## EXPERIMENT – 3

OUTPUT:

```
Enter number of training examples: 4
Enter number of attributes: 2

Enter attribute names (one per line):
HasEngine
HasWheels

Enter training data (one example per line, comma separated):
Format: HasEngine, HasWheels, Target
Yes,Yes,Vehicle
Yes,No,NotVehicle
No,Yes,NotVehicle
No,No,NotVehicle

Decision Tree:
{'HasEngine': {'Yes': {'HasWheels': {'Yes': 'Vehicle', 'No': 'NotVehicle'}}, 'No': 'NotVehicle'}

Classify a new sample:
HasEngine: Yes
HasWheels: Yes

Classification result: Vehicle
```