In [5]:
```python
#shared a CSV file named 'house_prices.csv' with price information, and you want to perform th
#1.Read the data from the CSV file into a NumPy array.
import numpy as np

# Define the file path
file_path = r"C:\Users\yashi\Downloads\HOUSE PRICE.csv"

# Load data while handling potential issues
data = np.genfromtxt(file_path, delimiter=',', dtype=str, encoding='utf-8', skip_header=1)

# Display the first few rows
print("First 5 rows of the dataset:")
print(data[:5])
```

```
First 5 rows of the dataset:
[['301' '400' 'DELHI']
 ['302' '450' 'DELHI']
 ['303' '890' 'DELHI']
 ['304' '530' 'DELHI']
 ['305' '450' 'DELHI']]
```

In [17]:
```python
#2.Calculate the average of house prices.

# Extract header and find the 'Price' column index
header = data[0]  # First row is the header
price_index = np.where(header == "Price")[0][0]  # Find index of "Price" column

# Convert price column to float (skip header)
prices = data[1:, price_index].astype(float)

# Calculate the average price
average_price = np.mean(prices)
print(f"Average House Price: {average_price:.2f}")

#3.Identify house price above the average.

# Identify houses priced above the average
high_price_rows = data[1:][prices > average_price]

# 4.Save the list of high prices to a new CSV file.

# Save high-priced houses to a new CSV file
np.savetxt(output_file, np.vstack([header, high_price_rows]), delimiter=",", fmt="%s", encodi

print(f"High-priced houses saved to {output_file}")
```

```
Average House Price: 634.00
High-priced houses saved to high_prices.csv
```

In [ ]: