In [19]:
```
import numpy as np
import pandas as pd
```

In [20]:
```
# Read CSV using pandas
df = pd.read_csv("house_prices.csv")
```

In [21]:
```
df
```

Out[21]:

	Index	Price
0	0	6000
1	1	13799
2	2	17500
3	4	18824
4	5	6618
...	...	...
169850	187526	3225
169851	187527	3274
169852	187528	4343
169853	187529	4231
169854	187530	6162

169855 rows × 2 columns

In [22]:
```
# Convert DataFrame to NumPy array
data = df.to_numpy()
print(data)
```

```
[[     0   6000]
 [     1  13799]
 [     2  17500]
 ...
 [187528   4343]
 [187529   4231]
 [187530   6162]]
```

In [23]:
```
# Example house prices in a NumPy array
house_prices = np.array(data)

# Calculate average
average_price = np.mean(house_prices)
print("Average House Price:", average_price)
```

```
Average House Price: 50374.32274881517
```

In [24]:
```
# Identify houses with prices above average
above_average_prices = house_prices[house_prices > average_price]

print("Average House Price:", average_price)
print("House Prices Above Average:", above_average_prices)
```

```
Average House Price: 50374.32274881517
House Prices Above Average: [ 75000  52778  58500 ... 187528 187529 187530]
```

In [25]:
```
# Save to CSV
np.savetxt("high_prices.csv", above_average_prices, delimiter=",", header="High Pri

print("High prices saved to 'high_prices.csv'")
```

```
High prices saved to 'high_prices.csv'
```

In [ ]: