






**Scenario:** You are working on a project that involves analysing a dataset containing information about houses in a neighbourhood. The dataset is stored in a CSV file, and you have imported it into a NumPy array named `house_data`. Each row of the array represents a house, and the columns contain various features such as the number of bedrooms, square footage, and sale price.

**Question:** Using NumPy arrays and operations, how would you find the average sale price of houses with more than four bedrooms in the neighbourhood?

**AIM:** To find the average sale price of houses having more than four bedrooms using NumPy filtering operations.

### PROCEDURE:

1. Create a NumPy array storing bedrooms, area, and price.
2. Filter rows where the number of bedrooms is greater than four.
3. Extract the sale price column from the filtered rows.
4. Use `np.mean()` to find the average sale price.

main.py	   Share  Run	Output 
<pre>1 import numpy as np 2 3 house_data = np.array([ 4     [3, 1600, 250000], 5     [5, 2400, 420000], 6     [4, 2000, 310000], 7     [6, 3000, 550000], 8     [5, 2600, 480000] 9 ]) 10 11 filtered = house_data[house_data[:, 0] &gt; 4] 12 average_price = np.mean(filtered[:, 2]) 13 14 print("Average sale price:", average_price) 15</pre>		<pre>Average sale price: 483333.3333333333 === Code Execution Successful ===</pre>