

Scenario: You are a data analyst working for a company that sells products online. You have been tasked with analysing the sales data for the past month. The data is stored in a NumPy array.

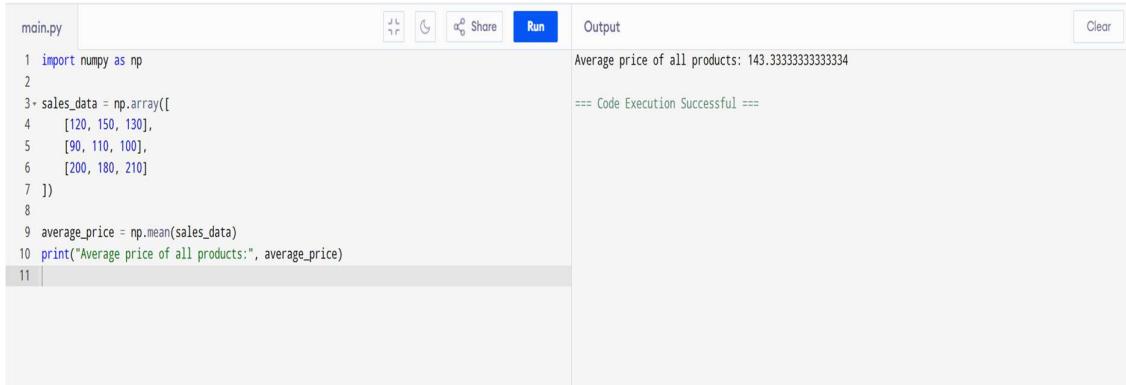
Question: How would you find the average price of all the products sold in the past month?

Assume 3x3 matrix with each row representing the sales for a different product

AIM: To compute the average price of all products sold in the past month using a 3×3 NumPy sales matrix.

PROCEDURE:

1. Create a 3×3 NumPy array representing product sales data.
2. Use np.mean() to calculate the overall average price.
3. Store the computed value in a variable.
4. Display the final average result.



The screenshot shows a Jupyter Notebook interface with a code cell titled "main.py". The code defines a 3x3 NumPy array named "sales_data" with values [120, 150, 130], [90, 110, 100], and [200, 180, 210]. It then calculates the mean of these values and prints the result. The output cell shows the average price as 143.33333333333334 and a message indicating successful code execution.

```
1 import numpy as np
2
3 sales_data = np.array([
4     [120, 150, 130],
5     [90, 110, 100],
6     [200, 180, 210]
7 ])
8
9 average_price = np.mean(sales_data)
10 print("Average price of all products:", average_price)
11
```

Average price of all products: 143.33333333333334
== Code Execution Successful ==