

DAY – 1 : 03.02.2026 [Lab FDS]

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Untitled1.ipynb
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```
import numpy as np

# Sales data for past month (3 products x 3 entries)
sales_data = np.array([
    [120, 130, 125], # Product 1 prices
    [200, 210, 205], # Product 2 prices
    [80, 85, 90]     # Product 3 prices
])

# Calculate average price of all products sold
average_price = np.mean(sales_data)

print("Average price of all products sold in the past month:", average_price)
```

```
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```

```
import numpy as np

student_scores = np.array([
    [85, 78, 90, 88],
    [76, 82, 85, 80],
    [90, 88, 92, 91],
    [70, 75, 78, 72]
])

subjects = ["Math", "Science", "English", "History"]

# Calculate average score for each subject
average_scores = np.mean(student_scores, axis=0)

# Find subject with highest average score
highest_avg_index = np.argmax(average_scores)
highest_avg_subject = subjects[highest_avg_index]

print("Average score for each subject:")
for i in range(len(subjects)):
    print(subjects[i], ":", average_scores[i])

print("\nSubject with highest average score:", highest_avg_subject)

Subject with highest average score: English
```