import numpy as np

import matplotlib.pyplot as plt

student\_scores = np.array([

    [85, 90, 78, 88],

    [70, 80, 65, 72],

    [92, 88, 95, 90],

    [60, 75, 70, 68]

])

avg\_scores = np.mean(student\_scores, axis=0)

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

highest\_subject = subjects[np.argmax(avg\_scores)]

print("Average scores per subject:", dict(zip(subjects, avg\_scores)))

print("Subject with highest average:", highest\_subject)

colors = ['blue','green','orange','red']

highlight\_index = np.argmax(avg\_scores)

colors[highlight\_index] = 'purple'

plt.bar(subjects, avg\_scores, color=colors)

plt.title("Average Scores per Subject")

plt.xlabel("Subjects")

plt.ylabel("Average Score")

plt.show()

Output  
Average scores per subject: {'Math': np.float64(76.75), 'Science': np.float64(83.25), 'English': np.float64(77.0), 'History': np.float64(79.5)}

Subject with highest average: Science  
