import numpy as np

import matplotlib.pyplot as plt

attendance\_data = np.array([

[1, 1, 1, 0, 1], # Student 1

[1, 0, 1, 1, 1], # Student 2

[1, 1, 1, 1, 1], # Student 3

[0, 1, 0, 1, 0] # Student 4

])

total\_attendance = np.sum(attendance\_data, axis=1)

top\_student = np.argmax(total\_attendance) + 1

print("Total attendance per student:", total\_attendance)

print("Student with highest attendance: Student", top\_student)

students = [f"Student {i+1}" for i in range(len(total\_attendance))]

colors = ['lightblue', 'lightgreen', 'orange', 'pink']

colors[top\_student-1] = 'purple'

plt.pie(total\_attendance, labels=students, autopct='%1.1f%%', colors=colors)

plt.title("Student Attendance Distribution")

plt.show()  
  
  
Output

