import numpy as np

import matplotlib.pyplot as plt

temperature\_data = np.array([

    [30, 32, 31, 29, 28, 33, 34],  # City 1

    [25, 27, 26, 28, 29, 30, 31],  # City 2

    [20, 22, 21, 23, 24, 25, 26]   # City 3

])

avg\_temp = np.mean(temperature\_data, axis=1)

cities = ["City 1", "City 2", "City 3"]

print("Average Temperature per City:")

for city, avg in zip(cities, avg\_temp):

    print(city, ":", avg)

plt.bar(cities, avg\_temp, color=['skyblue', 'orange', 'lightgreen'])

plt.title("Average Temperature per City (7 Days)")

plt.xlabel("Cities")

plt.ylabel("Average Temperature (°C)")

plt.show()

OUTPUT:

Average Temperature per City:

City 1 : 31.0

City 2 : 28.0

City 3 : 23.0

