import numpy as np

import matplotlib.pyplot as plt

ratings = np.array([8, 7, 9, 6, 7, 8, 9, 10])

avg\_rating = np.mean(ratings)

print("Ratings from viewers:", ratings)

print("Average Rating:", round(avg\_rating, 2))

plt.bar(range(1, len(ratings)+1), ratings, color='skyblue')

plt.title("Movie Ratings by Viewers")

plt.xlabel("Viewer")

plt.ylabel("Rating (out of 10)")

plt.ylim(0, 10)  # keep scale 0–10 for clarity

plt.show()

OUTPUT:

Ratings from viewers: [ 8 7 9 6 7 8 9 10]

Average Rating: 8.0

