import matplotlib.pyplot as plt

import numpy as np

#Write a code to create a bar chart using matplotlib for categories ['A', 'B', 'C'] with values [10, 20, 15] ?

x=['A','B','C']

y=[10,20,15]

plt.bar(x,y)

plt.title('Bar chart using matplotlib')

plt.xlabel("Category")

plt.ylabel("Values")

plt.show()

#create a histogram using matplotlib for a NumPy array of random numbers?

arr = np.random.randn(1000)

plt.hist(arr, bins=20,color='lightgreen')

plt.title("Histogram using matplotlib for numpy array")

plt.xlabel("Value")

plt.ylabel("Frequency")

plt.show()