Scatter Plot

a) Create two lists, x and y, containing 50 random floating-point numbers between 0 and 1.

b) Plot a scatter plot of y against x using Matplotlib.

c) Label the x-axis as "x" and the y-axis as "y".

d) Add a title to the plot as "Random Data Scatter Plot".

import numpy as np

import matplotlib.pyplot as plt

# Task 2a

x = np.random.rand(50)

y = np.random.rand(50)

# Task 2b

plt.scatter(x, y)

# Task 2c

plt.xlabel('x')

plt.ylabel('y')

# Task 2d

plt.title('Random Data Scatter Plot')

# Display the plot

plt.show()