Aim :

scatte

psend

9:201 = np. randum. miform (50, 500, 100)

sample output:



Result:

This ade was successfully executed and 30+ the output

```
import matplotlib.pyplot as plt
import numpy as np
# Generating random data for x and y coordinates
x = np.random.rand(50) * 100 # 50 random x-coordinates
y = np.random.rand(50) * 100 # 50 random y-coordinates
# Generating random sizes for the balls
sizes = np.random.rand(50) * 1000 # 50 random sizes for the points
# Creating the scatter plot
plt.scatter(x, y, s=sizes, color='purple', alpha=0.5, edgecolors="w")
# Adding labels and title
plt.xlabel("X-axis")
plt.ylabel("Y-axis")
plt.title("scatter Plot with Randomly Sized Balls")
# Displaying the plot
plt.show()
```



