Using Python, demonstrate a complete graph, where the number of vertices will be user- defined.

import networkx as nx

import matplotlib.pyplot as plt

num\_vertices = int(input("Enter the number of vertices: ")) complete\_graph = nx.complete\_graph(num\_vertices) nx.draw(complete\_graph, with\_labels=True, node\_color='skyblue', node\_size=500, font\_size=14)

plt.title("Complete Graph with {} Vertices".format(num\_vertices)) plt.axis('off')

plt.show()

Enter the number of vertices: 5

