import string

import random

def generate\_password(length):

    # Define the possible characters in the password

    characters = string.ascii\_letters + string.digits + string.punctuation

    # Generate a random password

    password = ''.join(random.choice(characters) for i in range(length))

    return password

def main():

    try:

        # Prompt the user to specify the desired length of the password

        length = int(input("Enter the desired length of the password: "))

        # Ensure the password length is a positive integer

        if length <= 0:

            print("Please enter a positive integer for the length.")

            return

        # Generate the password

        password = generate\_password(length)

        # Display the password

        print(f"Generated Password: {password}")

    except ValueError:

        print("Invalid input. Please enter a valid number.")

if \_name\_ == "\_main\_":

    main()