def generate\_password(length):

# Define character sets for the password

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

# Generate a random password using the character sets

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

return password

def main():

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

while True:

try:

length = int(input("Enter the desired length(in number) for the password: "))

if length < 1:

print("Password length should be at least 1.")

else:

break

except ValueError:

print("Please enter a valid number\*.")

# Generate the password

password = generate\_password(length)

# Display the generated password

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

# Run the main function

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

main()

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