TASK 1: PASSWORD GENERATOR

PROGRAM:

import random

import string

def generate\_password(length):

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

password = ''.join(random.choices(characters, k=length))

return password

def main():

print("=== Password Generator ===")

try:

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

if length < 4:

print("Password length should be at least 4 characters for better security.")

else:

password = generate\_password(length)

print(f"\nGenerated Password: {password}")

except ValueError:

print("Please enter a valid number.")

main()

OUTPUT:

