Source code for password generator:

import random

import string

def generate\_password(length):

# Define character set: letters, digits, and symbols

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

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

return password

def main():

print("🔐 Password Generator")

try:

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

if length < 4:

print("Password should be at least 4 characters long.")

return

password = generate\_password(length)

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

except ValueError:

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

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

main()

output:

