import random

import string

def generate\_random\_password(length):

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

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

return password

def get\_password\_length():

while True:

try:

length = int(input("Enter the desired password length (8 or more recommended): "))

if length < 8:

print("Password length should be 8 or more.")

continue

break

except ValueError:

print("Please enter a valid positive integer.")

return length

def save\_password\_to\_file(password):

try:

with open("generated\_password.txt", "w") as file:

file.write(password)

print("Password saved to 'generated\_password.txt'")

except Exception as e:

print("Error saving the password to a file:", str(e))

def main():

print("Random Password Generator")

password\_length = get\_password\_length()

generated\_password = generate\_random\_password(password\_length)

print("Generated Password:", generated\_password)

while True:

save\_option = input("Do you want to save the password to a file? (yes/no): ").lower()

if save\_option == "yes":

save\_password\_to\_file(generated\_password)

break

elif save\_option == "no":

break

else:

print("Invalid input. Please enter 'yes' or 'no'.")

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

main()