import random

import string

print("Password Generator")

while True:

try:

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

if length <= 0:

print("Password length must be a positive integer.")

else:

break

except ValueError:

print("Invalid input. Please enter an integer.")

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

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

print("Generated Password: ", password)