import random

import string

def generate\_password(length, complexity):

if complexity == "low":

characters = string.ascii\_letters

elif complexity == "medium":

characters = string.ascii\_letters + string.digits

elif complexity == "high":

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

else:

print("Invalid complexity level. Please choose 'low', 'medium', or 'high'.")

return None

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

return generated\_password

def main():

print("Password Generator")

try:

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

complexity = input("Enter the complexity level ('low', 'medium', or 'high'): ")

if length <= 0:

print("Invalid length. Please enter a positive integer.")

return

password = generate\_password(length, complexity)

if password:

print("Generated Password:", password)

except ValueError:

print("Invalid input. Please enter a valid length (positive integer) and complexity level.")

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

main()