CODE:

Write a program to count the word frequencies in a given text:

def count\_frequencies(str1):

words = str1.lower().split()

dictofwords = {}

for i in words:

i = i.strip('.,!?()[]{}"\'')

if i in dictofwords:

dictofwords[i] += 1

else:

dictofwords[i] = 1

return dictofwords

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

text = input("Enter a text: ")

frequencies = count\_frequencies(text)

print("The word frequencies are: ")

for word, count in frequencies.items():

print(word, ":", count)

Mini Project:

Develop a basic to-do list program using functions and data structures and features like adding tasks in the to-do list, displaying the tasks and quitting the loop

todo\_list = []

def main\_todo():

while True:

print("1.Add Task")

print("2.Remove Task")

print("3.Display Task")

print("4.Exit")

print("\n")

option = int(input("Enter any one option: \n"))

if option > 4 or option < 1:

print("Invalid Option\n")

if option == 1:

task = input("Enter the task: ")

add\_task(todo\_list, task)

elif option == 2:

task\_index = int(input("Enter the index of task which is to be removed: "))

remove\_task(todo\_list, task\_index)

elif option == 3:

display\_list(todo\_list)

elif option == 4:

print("Thank you")

return False

def display\_list(to\_do\_list):

if len(to\_do\_list) != 0:

for i in range(len(to\_do\_list)):

print(i + 1, ".", to\_do\_list[i])

print("\n")

else:

print("Add tasks first\n")

def add\_task(to\_do\_list, task):

if len(task) == 0:

print("Invalid task\n")

elif task in to\_do\_list:

print("This task is already present in todo\_list")

print("Enter any other tasks\n")

else:

to\_do\_list.append(task)

print("Task added successfully to todo\_list\n")

def remove\_task(to\_do\_list, task\_index):

if 1 <= task\_index <= len(to\_do\_list):

to\_do\_list.pop(task\_index - 1)

print("Task is successfully removed from list\n")

elif len(to\_do\_list)==0:

print("Add Tasks before removing")

else:

print("Invalid task\_index\n")

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

main\_todo()