**INTERNSHIP WEEK-2**

**TASK\_-1**

**Write a program to count word frequencies in the given text.**

**#programcode:**

def count\_word\_frequencies(text, words\_to\_count):

# Create an empty dictionary to store word frequencies

word\_frequency = {}

# Split the input text into words

words = text.split()

# Count the frequency of words in the user-provided list

for word in words:

# Remove punctuation and convert to lowercase (if needed)

word = word.strip(".,!?\"'-()[]{}").lower()

if word in words\_to\_count:

if word in word\_frequency:

word\_frequency[word] += 1

else:

word\_frequency[word] = 1

return word\_frequency

# Get the user's text input

user\_text = input("Enter some text: ")

# Get the list of words to count from the user

user\_words = input("Enter words to count (comma-separated): ").split(',')

# Strip leading/trailing spaces and convert to lowercase

user\_words = [word.strip().lower() for word in user\_words]

# Count word frequencies for the user-provided words

word\_frequencies = count\_word\_frequencies(user\_text, user\_words)

# Display the word frequencies

for word in user\_words:

count = word\_frequencies.get(word, 0)

print(f"{word}: {count}")

**TASK-2**

**MINI PROJECT**

**DEVELOP A BASIC TO-DO-LIST PROGRAM USING FUNCTIONS AND DATA STRUCTURES ADD FEATURES LIKE ADDING TASKS IN THE TO-DO-LIST,DISPLAY THE TASKS AND QUITTING THE LOOP.**

**#programcode:**

# Function to display the to-do list

def display\_list(todo\_list):

if not todo\_list:

print("Your to-do list is empty.")

else:

print("To-Do List:")

for index, task in enumerate(todo\_list, start=1):

print(f"{index}. {task}")

# Function to add a task to the to-do list

def add\_task(todo\_list, task):

todo\_list.append(task)

print(f"'{task}' has been added to your to-do list.")

# Function to remove a task from the to-do list

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

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

removed\_task = todo\_list.pop(task\_index - 1)

print(f"'{removed\_task}' has been removed from your to-do list.")

else:

print("Invalid task index. Please enter a valid index.")

# Main function

def main():

# Initialize an empty to-do list

todo\_list = []

while True:

print("\nMenu:")

print("1. Display To-Do List")

print("2. Add Task")

print("3. Remove Task")

print("4. Quit")

choice = input("Enter your choice (1/2/3/4): ")

if choice == "1":

display\_list(todo\_list)

elif choice == "2":

task = input("Enter the task you want to add: ")

add\_task(todo\_list, task)

elif choice == "3":

task\_index = int(input("Enter the task index to remove: "))

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

elif choice == "4":

print("Goodbye!")

break

else:

print("Invalid choice. Please choose a valid option (1/2/3/4).")

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

main()