

Write a program to count word frequencies in a given text

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

CODE

```
def display_list(todo_list):
    if not todo_list:
        print("Your to-do list is empty.")
    else:
        print("To-Do List:")
        for i, task in enumerate(todo_list, start=1):
            print(f"{i}. {task}")

def add_task(todo_list, task):
    todo_list.append(task)
    print(f"Task '{task}' added to 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"Task '{removed_task}' removed from the to-do list.")
    else:
        print("Invalid task index. Please choose a valid task to remove.")

def main():
    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: ")

if choice == "1":
    display_list(todo_list)
elif choice == "2":
    task = input("Enter the task: ")
    add_task(todo_list, task)
elif choice == "3":
    try:
        task_index = int(input("Enter the task index to remove: "))
        remove_task(todo_list, task_index)
    except ValueError:
        print("Invalid input. Please enter a valid task index.")
elif choice == "4":
    print("Goodbye!")
    break
else:
    print("Invalid choice. Please select a valid option.")

if __name__ == "__main__":
    main()
```