

TASK:2

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

Solution:

INPUT:

```
def add_task(to_do_list):
```

```
    task=input("enter the task to add: ")
```

```
    to_do_list.append(task)
```

```
def remove_task(to_do_list):
```

```
    task = input("Enter the task to remove: ")
```

```
    if task in to_do_list:
```

```
        to_do_list.pop(to_do_list.index(task))
```

```
    else:
```

```
        print(f"No task found for {task}.")
```

```
def display_task(to_do_list):
```

```
    if len(to_do_list)==0:
```

```
        print("to do list is empty.")
```

else:

print("All tasks:")

print(to_do_list)

def main():

to_do_list = []

while True:

print("\nto_do_list Menu:")

print("1. Add task")

print("2. remove task")

print("3. Display All task")

print("4. Exit")

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

if choice == '1':

add_task(to_do_list)

elif choice == '2':

remove_task(to_do_list)

elif choice == '3':

display_task(to_do_list)

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elif choice == '4':  
    print("Exiting the to do list. Goodbye!")  
    break  
else:  
    print("Invalid choice. Please enter a valid option.")
```

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

OUTPUT:

to_do_list Menu:

1. Add task
2. remove task
3. Display All task
4. Exit

Enter your choice (1/2/3/4): 1

enter the task to add: breakfast at 7am

to_do_list Menu:

1. Add task
2. remove task
3. Display All task

4. Exit

Enter your choice (1/2/3/4): 1

enter the task to add: start to college at 7:30am

to_do_list Menu:

1. Add task

2. remove task

3. Display All task

4. Exit

Enter your choice (1/2/3/4): 1

enter the task to add: attend all classes in college

to_do_list Menu:

1. Add task

2. remove task

3. Display All task

4. Exit

Enter your choice (1/2/3/4): 3

All tasks:

['breakfast at 7am', 'start to college at 7:30am', 'attend all classes in college']

to_do_list Menu:

1. Add task
2. remove task
3. Display All task
4. Exit

Enter your choice (1/2/3/4): 2

Enter the task to remove: breakfast at 7am

to_do_list Menu:

1. Add task
2. remove task
3. Display All task
4. Exit

Enter your choice (1/2/3/4): 3

All tasks:

['start to college at 7:30am', 'attend all classes in college']

to_do_list Menu:

1. Add task
2. remove task
3. Display All task
4. Exit

Enter your choice (1/2/3/4): 4

Exiting the to do list. Goodbye!