

TASK - 3

MINI PROJECT

Develop a basic to-do list application using functions and data structures.

```
import os
tasks = []
def display_tasks():
    if not tasks:
        print("To-do list is Empty.\n")
    else:
        print("To-do list.")
        for index, task in enumerate(tasks,start=1):
            print(f"{index}. {task}")

def add_task(task):
    tasks.append(task)
    print(f"The task added is: {task}")

def update_task(index, new_task):
    if 1 <= index <= len(tasks):
        tasks[index - 1] = new_task
        print(f"Task no. {index} updated to {new_task}")
    else:
        print("The task number is invalid")

def remove_task(index):
    if 1 <= index <= len(tasks):
        removed_task = tasks.pop(index - 1)
        print(f"The task no. {index} is removed successfully")
    else:
        print("The task number is invalid")

def delete_task():
    global tasks
    tasks = []

while True:
    os.system("clear" if os.name == "posix" else "cls")
    print("///// To-Do List Application /////\n")
    display_tasks()
    print("Select any one option.")
    print("1. Add New Task.")
    print("2. Update New Task.")
```

```

print("3. Remove Existing Task.")
print("4. Delete all Tasks.")
print("5. Exit.\n")

select = input("What do you wanna do? ")
if select == "1":
    task = input("Enter the task: ")
    add_task(task)
elif select == "2":
    index = int(input("Which task do you want to update?Enter the number. "))
    new_task = input("Enter the new updated task: ")
    update_task(index, new_task)
elif select == "3":
    index = int(input("Which task do you want to remove? Enter the number. "))
    remove_task(index)
elif select == "4":
    delete_task()
    print("All tasks have been deleted.")
elif select == "5":
    print("Exiting the Application")
    break
else:
    input("Invalid choice. Enter any button to continue.....")

with open("Save.txt", "w") as file:
    for task in tasks:
        file.write(task + "\n")

```

OUTPUT :

///// To-Do List Application /////

To-do list is Empty.

Select any one option.

1. Add New Task.
2. Update New Task.
3. Remove Existing Task.
4. Delete all Tasks.
5. Exit.

What do you wanna do? 1

Enter the task: to do list

The task added is: to do list

///// To-Do List Application /////

To-do list.

1. to do list

Select any one option.

1. Add New Task.

2. Update New Task.

3. Remove Existing Task.

4. Delete all Tasks.

5. Exit.

What do you wanna do? 1

Enter the task: assignment

The task added is: assignment

///// To-Do List Application /////

To-do list.

1. to do list

2. assignment

Select any one option.

1. Add New Task.

2. Update New Task.

3. Remove Existing Task.

4. Delete all Tasks.

5. Exit.

What do you wanna do? 2

Which task do you want to update? Enter the number.2

Enter the new updated task: task

Task no. 2 updated to task

///// To-Do List Application /////

To-do list.

1. to do list

2. task

Select any one option.

1. Add New Task.

2. Update New Task.

3. Remove Existing Task.

4. Delete all Tasks.

5. Exit.

What do you wanna do? 3

Which task do you want to remove? Enter the number.2

The task no. 2 is removed successfully
///// To-Do List Application /////

To-do list.

1. to do list

Select any one option.

1. Add New Task.

2. Update New Task.

3. Remove Existing Task.

4. Delete all Tasks.

5. Exit.

What do you wanna do? 4

All tasks have been deleted.

///// To-Do List Application /////

To-do list is Empty.

Select any one option.

1. Add New Task.

2. Update New Task.

3. Remove Existing Task.

4. Delete all Tasks.

5. Exit.

What do you wanna do? 5

Exiting the Application