Mini Project (Vault of Codes)

To-Do List Using Java

1.Code:

```java
import java.util.*;
public class todolist {
    private static ArrayList<String> taskList=new ArrayList<>();
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        while(true){
            menu();
            int c=sc.nextInt();
             sc.nextLine();
            switch(c){
                case 1:
                addTask(sc);
                break;
                case 2:
                mark(sc);
                break;
                case 3:
                remove(sc);
                break;
                case 4:
                display(sc);
                break;
                case 5:
                System.out.println("\n\n----------Tata Bye Bye...!!---------------\n\n");
                System.exit(0);
```

```java
            default:
                System.out.println("Enter the valid data");
        }
    }
}
private static void menu(){
    System.out.println("\n********To-Do List*******");
    System.out.println("1.Add Task");
    System.out.println("2.Mark as Completed");
    System.out.println("3.Remove Task");
    System.out.println("4.Display tasks");
    System.out.println("5.Exit");
    System.out.print("Enter the choice: ");

}
private static void addTask(Scanner sc){
    System.out.print("Enter the task: ");
    String task=sc.nextLine();
    taskList.add(task);
    System.out.println("Task added successfully "+task);
}
private static void display(Scanner sc){
    if(taskList.isEmpty()){
        System.out.println("No tasks...>!!!");
    }
    else{
        System.out.println("\n_____ To-Do List_____");
        for(int i=0;i<taskList.size();i++){
```

```java
            System.out.println(i+"."+taskList.get(i));
        }
    }
}
private static void mark(Scanner sc){
    display(sc);
    System.out.print("Enter the index you have to mark completed: ");
    int in=sc.nextInt();
    if(in>=0&&in<taskList.size()){
        String task=taskList.get(in);
        taskList.set(in,task+"{Completed}");
        System.out.println("Marked as completed "+task);
    }
    else{
        System.out.println("Error !!");
    }
}
private static void remove(Scanner sc){
    display(sc);
    System.out.print("Enter the index you have remove :");
    int in=sc.nextInt();
    if(in>=0&&in<taskList.size()){
        String task=taskList.get(in);
        taskList.remove(in);
        System.out.println("Task removed "+task);
    }
    else{
        System.out.println("Error !!");}}}
```

2.Output photos:

```
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 2

_____To-Do List_____
0.A
1.B
2.C
Enter the index you have to mark completed: 1
Marked as completed B

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 4

_____To-Do List_____
0.A
1.B{Completed}
2.C

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 3

_____To-Do List_____
0.A
1.B{Completed}
2.C
Enter the index you have remove :1
Task removed B{Completed}

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 4

_____To-Do List_____
```

```
'  '-cp' 'C:\Users\surya\AppData\Roaming\Code\User\workspaceStorage\025a39c153804a471f07c47c1bfbd74c\redhat.java\jdt_ws\cogno_2c7551d3\bin' 'todolist'

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 1
Enter the task: A
Task added successfully A

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 1
Enter the task: B
Task added successfully B

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 1
Enter the task: C
Task added successfully C

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 4

_____To-Do List_____
0.A
1.B
2.C

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
```

```
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 4

_____ To-Do List_____
0.A
1.B{Completed}
2.C

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 3

_____ To-Do List_____
0.A
1.B{Completed}
2.C
Enter the index you have remove :1
Task removed B{Completed}

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 4

_____ To-Do List_____
0.A
1.C

********To-Do List*******
1.Add Task
2.Mark as Completed
3.Remove Task
4.Display tasks
5.Exit
Enter the choice: 5

----------Tata Bye Bye...!!---------------

PS C:\Users\surya\Desktop\cogno>
```

3.Output:

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 1

Enter the task: A

Task added successfully A

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 1

Enter the task: B

Task added successfully B

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 1

Enter the task: C

Task added successfully C

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 4

_____ To-Do List_____

0.A

1.B

2.C

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 2

_____ To-Do List_____

0.A

1.B

2.C

Enter the index you have to mark completed: 1

Marked as completed B

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 4

_____ To-Do List_____

0.A

1.B{Completed}

2.C

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 3

_____ To-Do List_____

0.A

1.B{Completed}

2.C

Enter the index you have remove :1

Task removed B{Completed}

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 4

_____ To-Do List_____

0.A

1.C

********To-Do List*******

1.Add Task

2.Mark as Completed

3.Remove Task

4.Display tasks

5.Exit

Enter the choice: 5

----------Tata Bye Bye...!!---------------

THE END