

# TO Do List Application

## Basic To Do List Application in java

### CODE:

```
import java.util.ArrayList;
import java.util.Scanner;

public class ToDoListApp {
    ArrayList<String> todoList=new ArrayList<String>();
    public void display()
    {
        for(int i=0;i<todoList.size();i++)
        {
            System.out.println(i+". "+todoList.get(i));
        }
    }
    public void addTask(String Task)
    {
        todoList.add(Task);
    }
    public void removeTask(int taskIndex)
    {
        int size=todoList.size();
        if(taskIndex>=0 && taskIndex<size)
        {
            todoList.remove(taskIndex);
        }
        else
        {
            System.out.println("Enter correct Index");
        }
    }

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        ToDoListApp obj=new ToDoListApp();
        Scanner sc=new Scanner(System.in);
        int choice=0;
        String task;
        int index=0;
        do
        {
            System.out.println("Please choose a function"
                               + "\n 1.display List"
                               + "\n 2.Add Task"
```

```

        + "\n 3.remove Task"
        + "\n 4.quit");
choice=sc.nextInt();
switch(choice)
{
case 1:
    System.out.println("To do List is:");
    obj.display();
    break;
case 2:
    System.out.println("enter the task to add:");
    task=sc.next();
    obj.addTask(task);
    break;
case 3:
    System.out.println("Enter the index of the
task to remove:");
    index=sc.nextInt();
    obj.removeTask(index);
    break;
case 4:
    System.out.println("quit");
    break;
}
}while(choice!=4);
}
}

```

## Output /Testing:

Please choose a function

- 1.display List
- 2.Add Task
- 3.remove Task
- 4.quit

2

enter the task to add:

wakeup

Please choose a function

- 1.display List
- 2.Add Task
- 3.remove Task
- 4.quit

2

enter the task to add:

excercise

Please choose a function

- 1.display List
- 2.Add Task
- 3.remove Task
- 4.quit

2

enter the task to add:

bath

Please choose a function

- 1.display List
- 2.Add Task
- 3.remove Task
- 4.quit

2

enter the task to add:

eat

Please choose a function

- 1.display List
- 2.Add Task
- 3.remove Task
- 4.quit

2

enter the task to add:

study

Please choose a function

- 1.display List
- 2.Add Task
- 3.remove Task
- 4.quit

1

To do List is:

- 0. wakeup
- 1. excercise
- 2. bath
- 3. eat
- 4. study

Please choose a function

- 1.display List
- 2.Add Task
- 3.remove Task
- 4.quit

3

Enter the index of the task to remove:

2

Please choose a function

- 1.display List
- 2.Add Task
- 3.remove Task
- 4.quit

4

quit