

**CS202L**  
**Lab 10 Programming Assignment**  
**Lab Date: 02/11/2018**

**10.1: Create a simple GUI application to sort the numbers given by the user.**

**A: One textfield to take user input (example input [56,345,788,34])**

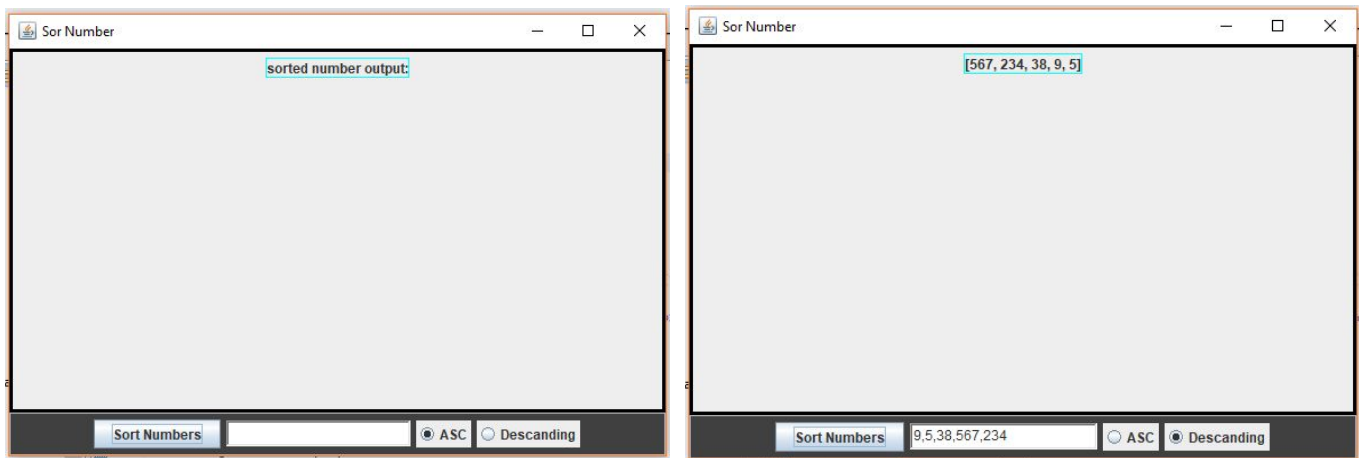
**B: Label: to show the sorted numbers.**

**C: button: on the click on this button sorting should be performed and output at the Label.**

**D: radio buttons: r1: ascending order sort[default selected] r2: descending order sort**

**E: Exceptions must be handled with meaningful message at GUI.**

**F: Extra Labels can be added for better representation.**

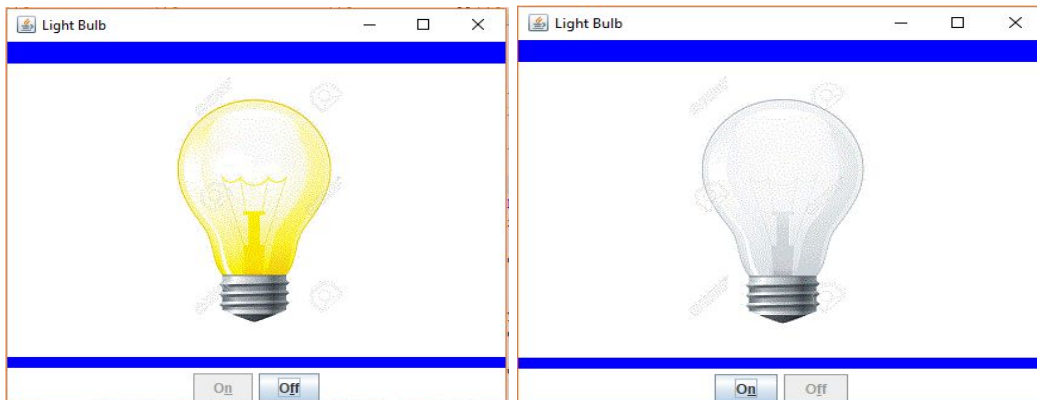


**10.2: Create A GUI simulator, which shows the LightBulb Image and changes when we click on/off button. At first the LightBulb will be on.**

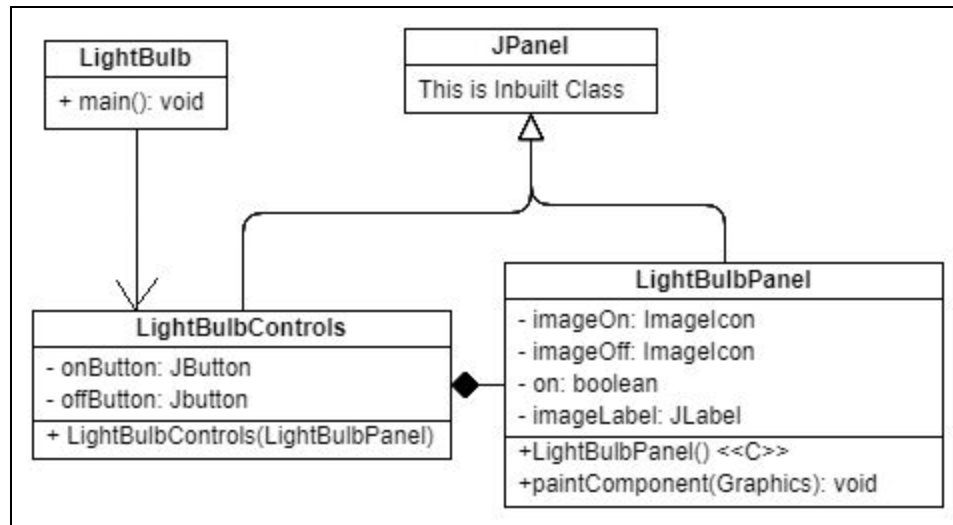
**Configurations:**

**A: Two buttons: ON/OFF..... If LightBulb is on then ON button must be disabled. Same for OFF condition.**

**B: demo screenshots is given below:**



## C: Class Diagram



**LightBulb** class will create main panel of the Application.