Week 20 Tutorial

Question 1

Create a program using GridBagLayout manager with the following:

1. User can input Student's name in the text field

2. User clicks the **Add** button and the name (value from the text field) is added in Array List

3. User clicks the **Remove** button and the name (value from the text field) is removed from the Array List

4. User clicks **Display** button and then all the names are displayed in the label

5. User clicks the **Clear** button the text field and display information are cleared is cleared

Question 2

Create a program using GridLayout with the following:

- Generate a random number between 1 to 10

```
Random rand = new Random();

int n = rand.nextInt(10);
```

- Grid has 9 buttons (given the names from 1 to 9) and, on each button click check if the random number matches with the button number.

- Count the total number of invalid attempts and if the invalid attempts count is 3 then show dialog box with the message "Game over"