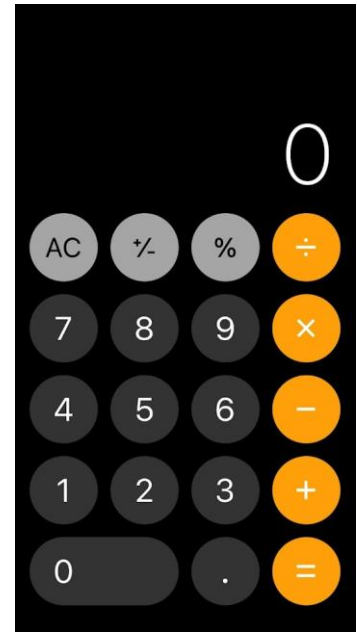


### **Group - A**

Go through the videos that are included in the attached playlist, which will help you learn the basics of **Windows Forms Applications**.

Your task is to build a project/application for an 8-digit calculator with basic functionalities (a calculator reference image is attached here) and that should contain the following requirements:

- It will show 0 initially.
- The limit of taking input is up to 8 digits. After that, it won't take any digits.
- If the result of performing any arithmetic operation crosses the limit two cases can occur a) if the result is an integer then it will show an error. b) if the result is a float number and the digit after the floating point crosses the limit then round the result to 8 digits.
- (+, -, x, ÷) will perform their usual operation.
- (+/-) will sign the entire input as a positive or negative number. For positive numbers, there will be no sign shown on the screen; for negative numbers, it will show - at the very first of the input.
- (%) will perform percentage operation. To understand how the percentage works, check it in the calculator app of your device.
- Finally, (AC) will clear the screen and show 0 like the initial stage.



**After completing the project (assuming that it incorporated all the aforementioned requirements), submit a video demonstration of your task along with the compressed (\*.zip) project folder. Video duration should not be more than 5 minutes.**