

Source Files:

main.cpp

- **main.cpp** file basically creates QApplication and main window. In addition to creating the objects, this source file makes the main window visible and executes the application.

mainwindow.h

- **mainwindow.h** is the header file for the mainwindow class. This file basically contains the constructor, destructor, necessary slots as well as necessary variables that are used for calculations and case handlings.

mainwindow.cpp

This file incorporates the following functions:

- **operationManager:**
Basically, coordinates the other functions and synchronizes their operations to fit the assumptions in the project.
- **plusClick:**
A function responsible for managing the addition operation. It is usually called when the user presses on the “+” button.
- **minusClick:**
A function responsible for managing the subtraction operation. It is usually called when the user presses on the “-” button.
- **equalClick:**
A function called when the user presses on the “=” button.
- **clearClick:**
A function called when the user presses on the “clr” button. Basically, it clears the LCD screen of its content.
- **Numberclick:**
A function that is called when the user presses on the buttons “1 – 9”. It usually writes the digit wanted on the LCD screen.
- **letterclick:**
A function that is called when the user presses on the buttons “A – F”. It usually writes the letter wanted on the LCD screen.