

The uploaded Arduino sketches perform the following:

**ALL\_Displays:** Code which initialises all the 7-segment displays to an initial value and sets their colon on or off.

**Basketball:** Final code which controls all the displays to achieve the functionality of a basketball match scoreboard.

**Button\_triggered\_Counter:** Program which initialises a 7-segment display and displays a counter value which can be incremented by pressing a push button. The counter does not increment if the button is constantly pressed.

**Clock:** Program which initialises a 7-segment display and displays a clock int it. The clock counts up from 00:00 to 99:59. The clock can be reset and paused with the help of push buttons. The clock can also be set to an initial value with the help of a potentiometer. The value of the potentiometer resistance determines the initial value of the clock. The initial value is loaded by pressing a push button.

**LCD Control:** Program to control the 2 16x2 LCD displays simultaneously. The code used in the final program is modified to obtain the same functionality.