Arduino Session 1
31st of January 2019

Use the start_template.ino file to start the exercises.

Input pins are PIN 12.

Output pins on the board are PIN 2, 4, 7 and 8 (red, blue, green and yellow).

Exercises:

1. Light all 4 LEDs at once.
2. Blink all 4 LEDs. Use the **delay(1000)** function call.
3. Cycle through all the LEDs like in the following steps.
   a. R – B – G – Y
   b. R – B – G – Y
   c. R – B – G – Y
   d. R – B – G – Y
   e. R – B – G – Y
4. Cycle through all the LEDs like in the following steps.
   a. R – B – G – Y
   b. R – B – G – Y
   c. R – B – G – Y
   d. R – B – G – Y
   e. R – B – G – Y
5. Modify number 3 and 4 so that once it reaches step e the cycle starts again from a.
6. Use the button (PIN 12) to switch between exercise 1 and 2.
7. Modify number 3 and 4 so that it goes to the next step only on button press.