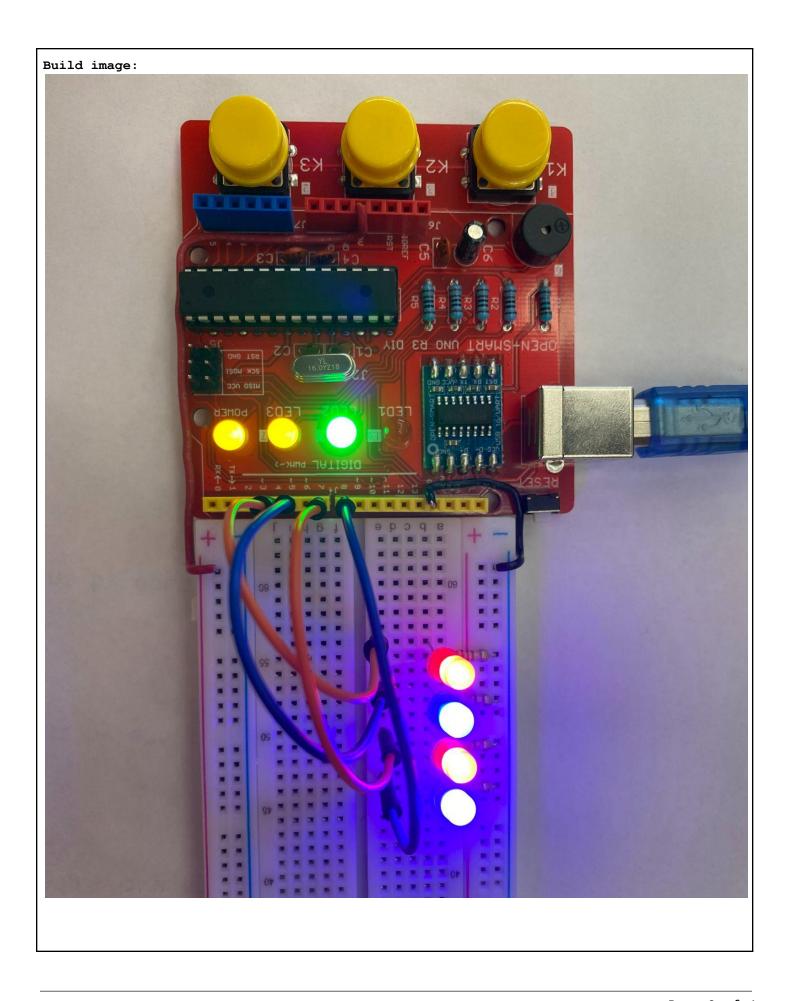
LVL	Criteria
R	
1	
2	
3	
4	"build and wire"[3]
	<pre>☐ final "test your understanding" complete and working correctly[1½] ☐ code commenting is accurate and complete (including title)[½] ☐ program structure and spacing is logical and demonstrates organization[½] ☐ code text submission is courier new font and is coloured to allow easier identification of comments[½]  "inspection questions"[1]</pre>
	demonstrates full understanding of circuit and interfacing concepts in conversation with teacher
4+	<pre>"enhancements"[1]</pre>



```
code:
Names: Siddarth & Mostafa
Date: April 20, 2022
Description: Code for Lab 2
LEDs turn on one by one, and stay on (starting from the left). Once all four are
ON, they turn OFF, one by one (starting from the left) until they
are all off; and keeps repeating in a loop
void setup() //Setup Code (runs once)
   //Sets pins 4, 5, 7, 8 as an OUTPUT pins
   pinMode(4, OUTPUT);
   pinMode(5, OUTPUT);
   pinMode(7, OUTPUT);
   pinMode(8, OUTPUT);
void loop() //Loop Code (runs repeatedly)
   digitalWrite(4, HIGH); // Sets pin 4 on
   delay(500); // Delays program for 500 milliseconds
   digitalWrite(5, HIGH); // Sets pin 5 on
   delay(500); // Delays program for 500 milliseconds
   digitalWrite(7, HIGH); // Sets pin 7 on
   delay(500); // Delays program for 500 milliseconds
   digitalWrite(8, HIGH); // Sets pin 8 on
   delay(500); // Delays program for 500 milliseconds
   digitalWrite(4, LOW); // Sets pin 4 off
   delay(500); // Delays program for 500 milliseconds
   digitalWrite(5, LOW); // Sets pin 5 off
```

```
delay(500); // Delays program for 500 milliseconds

digitalWrite(7, LOW); // Sets pin 7 off
delay(500); // Delays program for 500 milliseconds

digitalWrite(8, LOW); // Sets pin 8 off
delay(500); // Delays program for 500 milliseconds
}
```