**WEEK 7 PROBLEM STATEMENTS**

1. Implement a Tinkercad simulation to turn on and off the Arduino’s on-board LED.
2. Implement a Tinkercad simulation to turn on and off an external LED connected to the Arduino board
3. Implement a Tinkercad simulation to alternately turn on and off two external LEDs connected to the Arduino board
4. Implement a Tinkercad simulation to use a pushbutton to control an LED.
5. Implement a Tinkercad simulation to demonstrate fading of an LED(zero to maximum brightness slowly)