Assignment -1
SMART HOME IN TINKERCAD
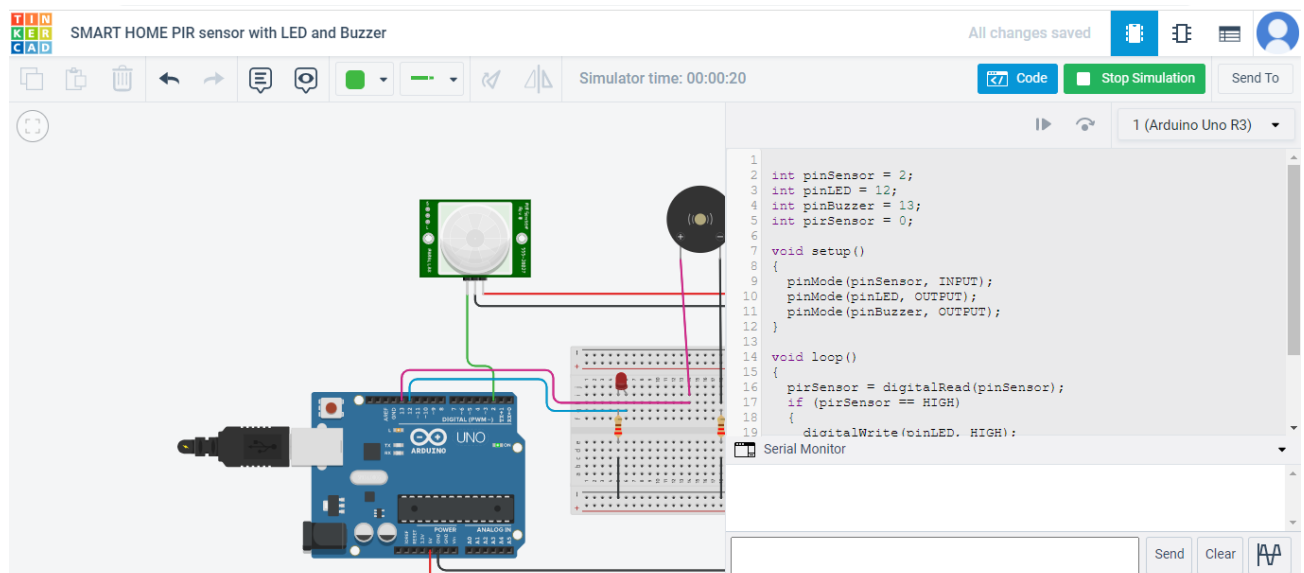
Assignment Date	19 September 2022
Student Name	A.SABNA BEGAM
Student Roll Number	815119106303
Maximum Marks	2 Marks

Question-1:

Build a smart home in tinkercad

Use atleast 2 sensors, led, buzzer in a circuit. Simulate in a single code.

Solution:

CODE:

```
int pinSensor = 2;

int pinLED = 12;

int pinBuzzer = 13;

int pirSensor = 0;


void setup()
{
  pinMode(pinSensor, INPUT);
  pinMode(pinLED, OUTPUT);
  pinMode(pinBuzzer, OUTPUT);
}


void loop()
{
  pirSensor = digitalRead(pinSensor);
  if (pirSensor == HIGH)
  {
    digitalWrite(pinLED, HIGH);
    tone(pinBuzzer,1000, 500);


  }


  digitalWrite(pinLED, LOW);
}
```