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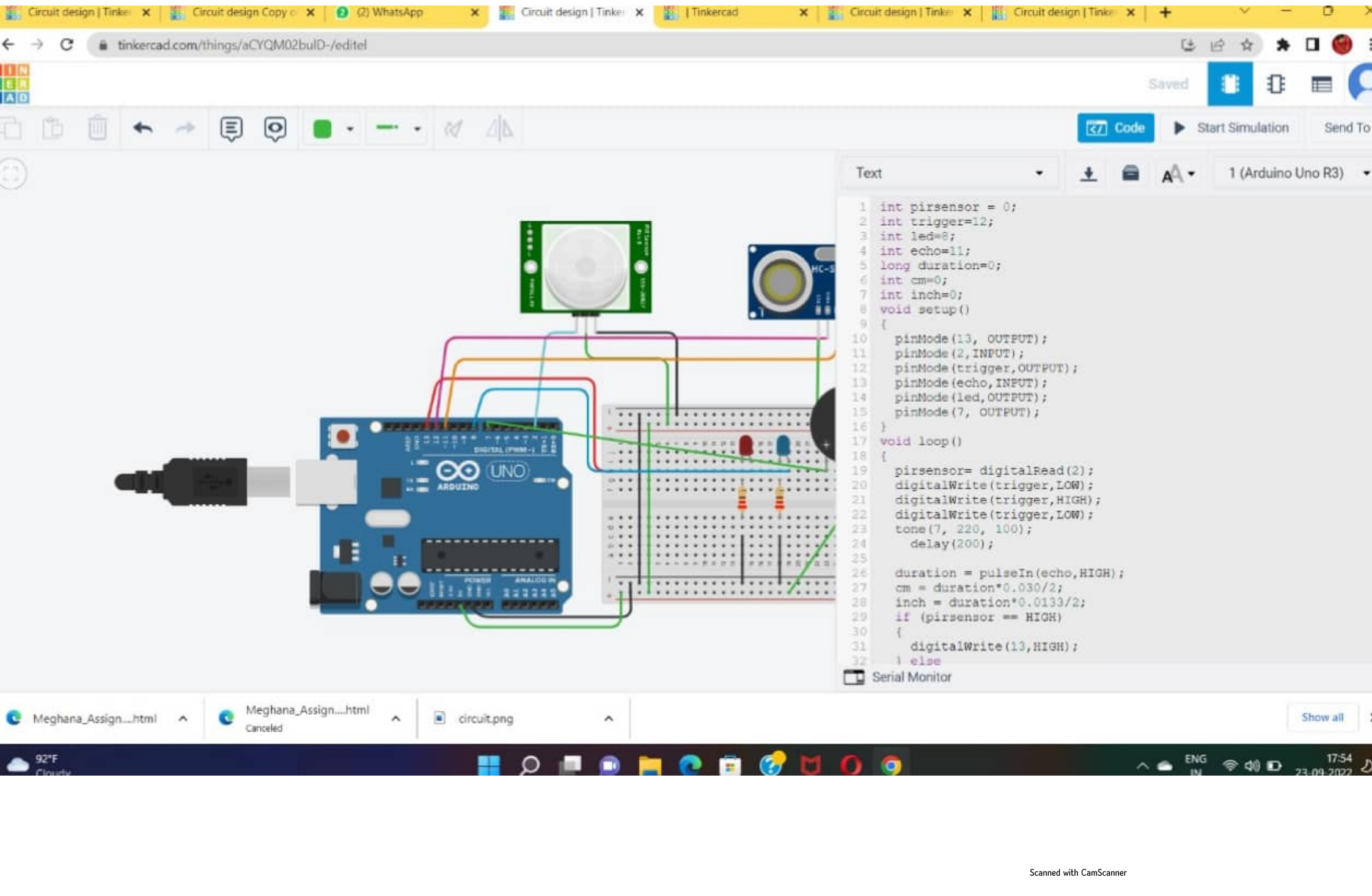
Text

```
1 int pirsensor = 0;
2 int trigger=12;
3 int led=8;
4 int echo=11;
5 long duration=0;
6 int cm=0;
7 int inch=0;
8 void setup()
9 {
10  pinMode(13, OUTPUT);
11  pinMode(2, INPUT);
12  pinMode(trigger, OUTPUT);
13  pinMode(echo, INPUT);
14  pinMode(led, OUTPUT);
15  pinMode(7, OUTPUT);
16 }
17 void loop()
18 {
19  pirsensor= digitalRead(2);
20  digitalWrite(trigger,LOW);
21  digitalWrite(trigger,HIGH);
22  digitalWrite(trigger,LOW);
23  tone(7, 220, 100);
24  delay(200);
25
26  duration = pulseIn(echo,HIGH);
27  cm = duration*0.030/2;
28  inch = duration*0.0133/2;
29  if (piрсensor == HIGH)
30  {
31    digitalWrite(13,HIGH);
32  } else
```

Serial Monitor

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Text

```
22 digitalWrite(trigger, LOW);
23 tone(7, 220, 100);
24 delay(200);
25
26 duration = pulseIn(echo, HIGH);
27 cm = duration*0.030/2;
28 inch = duration*0.0133/2;
29 if (pirsensor == HIGH)
30 {
31   digitalWrite(13, HIGH);
32 } else
33 {
34   digitalWrite(13, LOW);
35 }
36 delay(10);
37
38 if (inch < 50)
39 {
40   digitalWrite(led, HIGH);
41 }
42 else{
43   digitalWrite(led, LOW);
44 }
45
46 if (inch < 30) {
47   Serial.print("Inch: ");
48   Serial.println(inch);
49   Serial.print("CM: ");
50   Serial.println(cm);
51 }
52 delay(500);
53 }
```

Serial Monitor

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