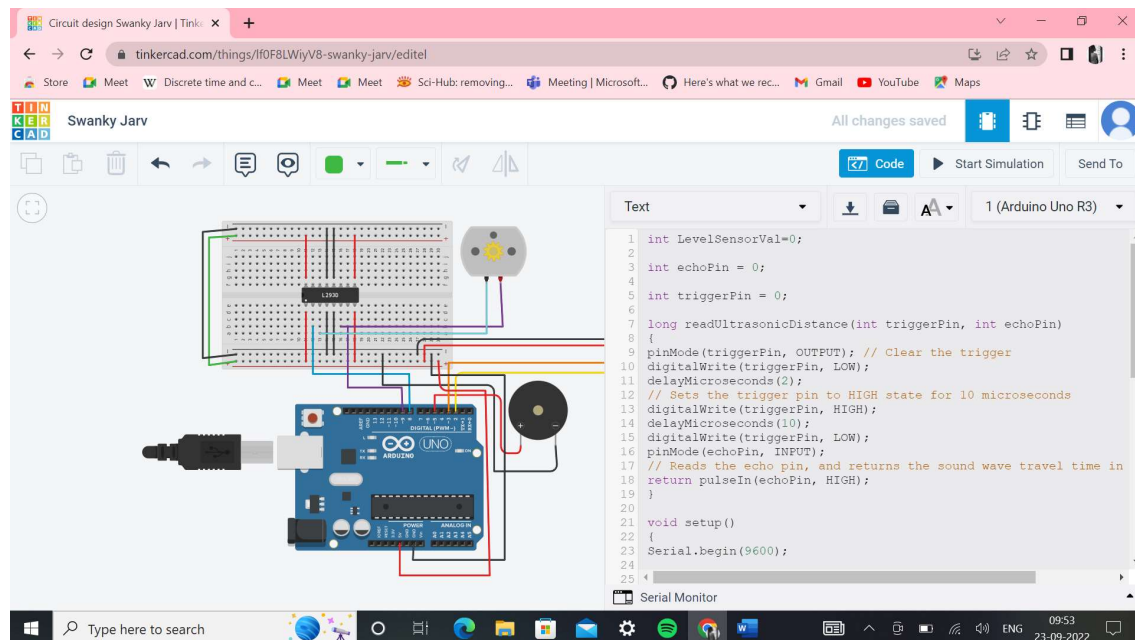
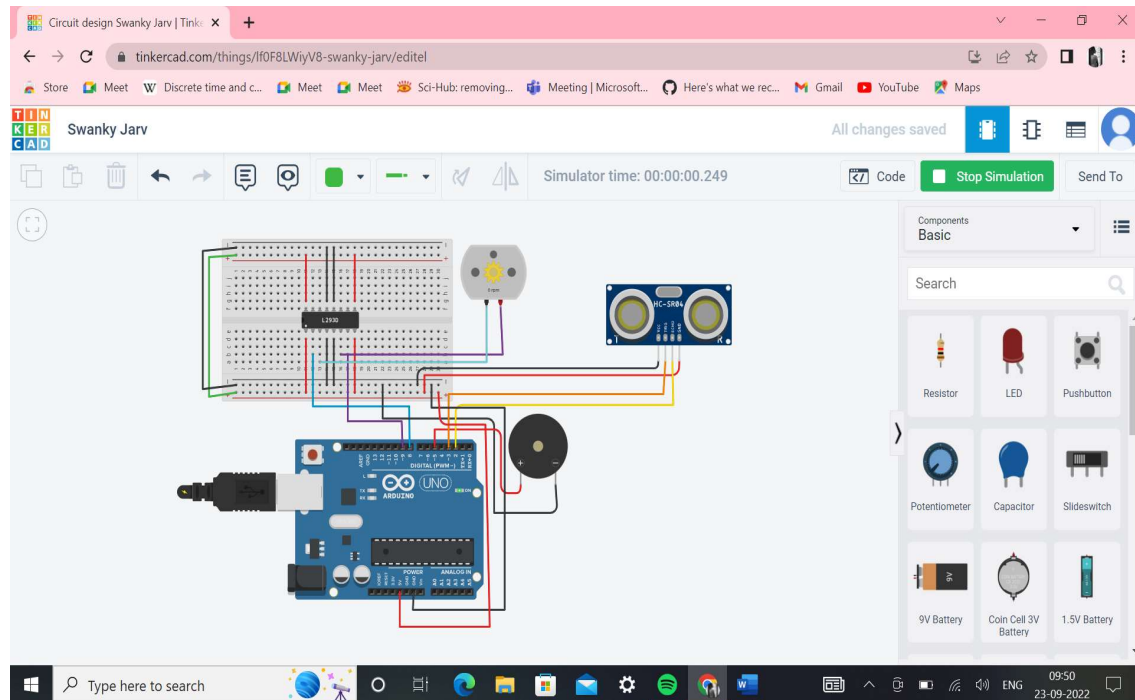


## SMART HOME APPLICATION : WATER LEVEL CONTROLLER



Circuit design Swanky Jarv | Tinkercad

tinkercad.com/things/f0f8LWiyV8-swanky-jarv/editel

Swanky Jarv

All changes saved

Code Start Simulation Send To

Text

1 (Arduino Uno R3)

```

22 {
23   Serial.begin(9600);
24
25
26   pinMode(8, OUTPUT);
27   pinMode(9, OUTPUT);
28   pinMode(5, OUTPUT);
29
30 }
31
32 void loop()
33 {
34   echoPin = 3;
35   triggerPin = 2;
36   LevelSensorVal = 0.01723*
37   readUltrasonicDistance(2,3);
38   Serial.println("medium level");
39   Serial.println(LevelSensorVal);
40   if (LevelSensorVal <= 40) {
41     Serial.println("Tank is FULL");
42     digitalWrite(8, HIGH);
43     digitalWrite(9, HIGH);
44     tone(5, 19, 1000); // play tone 3 (D#0 = 19 Hz)
45   }
46

```

Serial Monitor

Type here to search

09:53 23-09-2022

Circuit design Swanky Jarv | Tinkercad

tinkercad.com/things/f0f8LWiyV8-swanky-jarv/editel

Swanky Jarv

All changes saved

Code Start Simulation Send To

Text

1 (Arduino Uno R3)

```

32 void loop()
33 {
34   echoPin = 3;
35   triggerPin = 2;
36   LevelSensorVal = 0.01723*
37   readUltrasonicDistance(2,3);
38   Serial.println("medium level");
39   Serial.println(LevelSensorVal);
40   if (LevelSensorVal <= 40) {
41     Serial.println("Tank is FULL");
42     digitalWrite(8, HIGH);
43     digitalWrite(9, HIGH);
44     tone(5, 19, 1000); // play tone 3 (D#0 = 19 Hz)
45   }
46   if (LevelSensorVal >= 300) {
47     Serial.println("Tank is EMPTY");
48     digitalWrite(8, LOW);
49     digitalWrite(9, HIGH);
50   }
51   delay(10);
52 }
53
54
55

```

Serial Monitor

Type here to search

09:53 23-09-2022