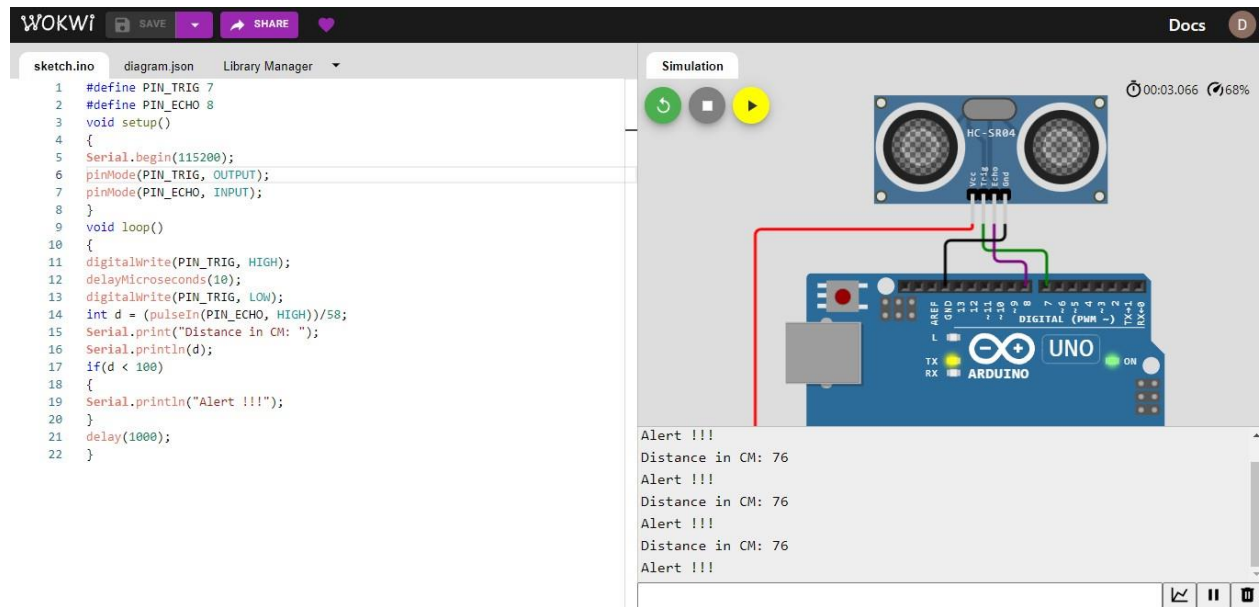


Assignment no - 4

Assignment Date	28 October 2022
Student Name	Nagalakshmi S
Student Roll Number	820419106036
Maximum Marks	2 Marks

Write code and connections in wokwi for the ultrasonic sensor. Whenever the distance is less than 100 cms send an "alert" to the IBM cloud and display in the device recent events.

```
#define PIN_TRIG 7
#define PIN_ECHO 8
void
setup()
{
  Serial.begin(115200);
  pinMode(PIN_TRIG, OUTPUT);
  pinMode(PIN_ECHO, INPUT);
}
void loop() {
  digitalWrite(PIN_TRIG, HIGH);
  delayMicroseconds(10);
  digitalWrite(PIN_TRIG, LOW);
  int d = (pulseIn(PIN_ECHO, HIGH))/58;
  Serial.print("Distance in CM: ");
  Serial.println(d);
  if(d < 100)
  {
    Serial.println("Alert !!!");
  }
  delay(1000);
}
```



wokwi share link :

<https://wokwi.com/projects/346778497134363218>