ASSIGNMENT 2

Screenshot of a Tinkercad circuit editor showing an Arduino Uno connected to an HC-SR04 ultrasonic sensor, with the following code:

```
void setup (){
  pinMode(2,OUTPUT);
  pinMode(3,INPUT);
  Serial.begin(9600);
}
void loop(){
  digitalWrite(2,LOW);
  digitalWrite(2,HIGH);
  delayMicroseconds(10);
  digitalWrite(2, LOW);
  int dur = pulseIn(3, HIGH);
  int dis = (dur*0.343)/2;
  Serial.print("Distance in cm :");
  Serial.println(dis);
}
```

Serial Monitor output:

```
Distance in cm :1228
Distance in cm :1230
Distance in cm :1228
Distance in cm :1227
Distance in cm :1230
Distance in cm :1227
Distance in cm :1228
Distance in cm :1230
```