Program no____7_____

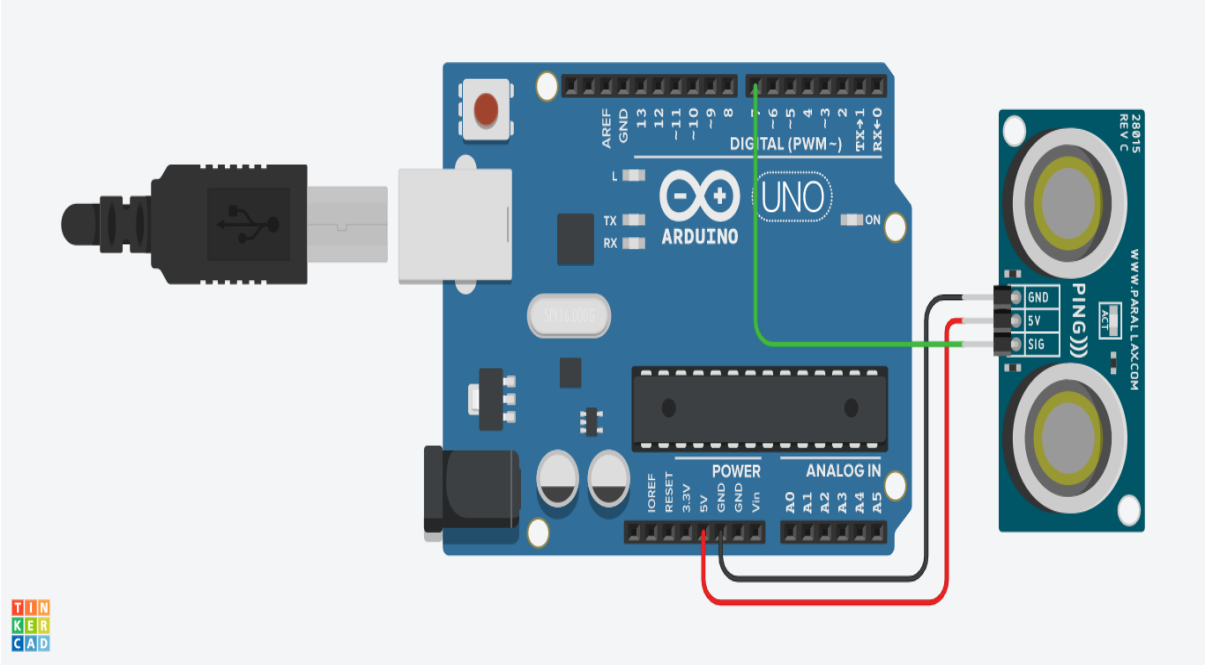
Program Title_____Distance detector_____

Aim The light Fades as the sunlight increases

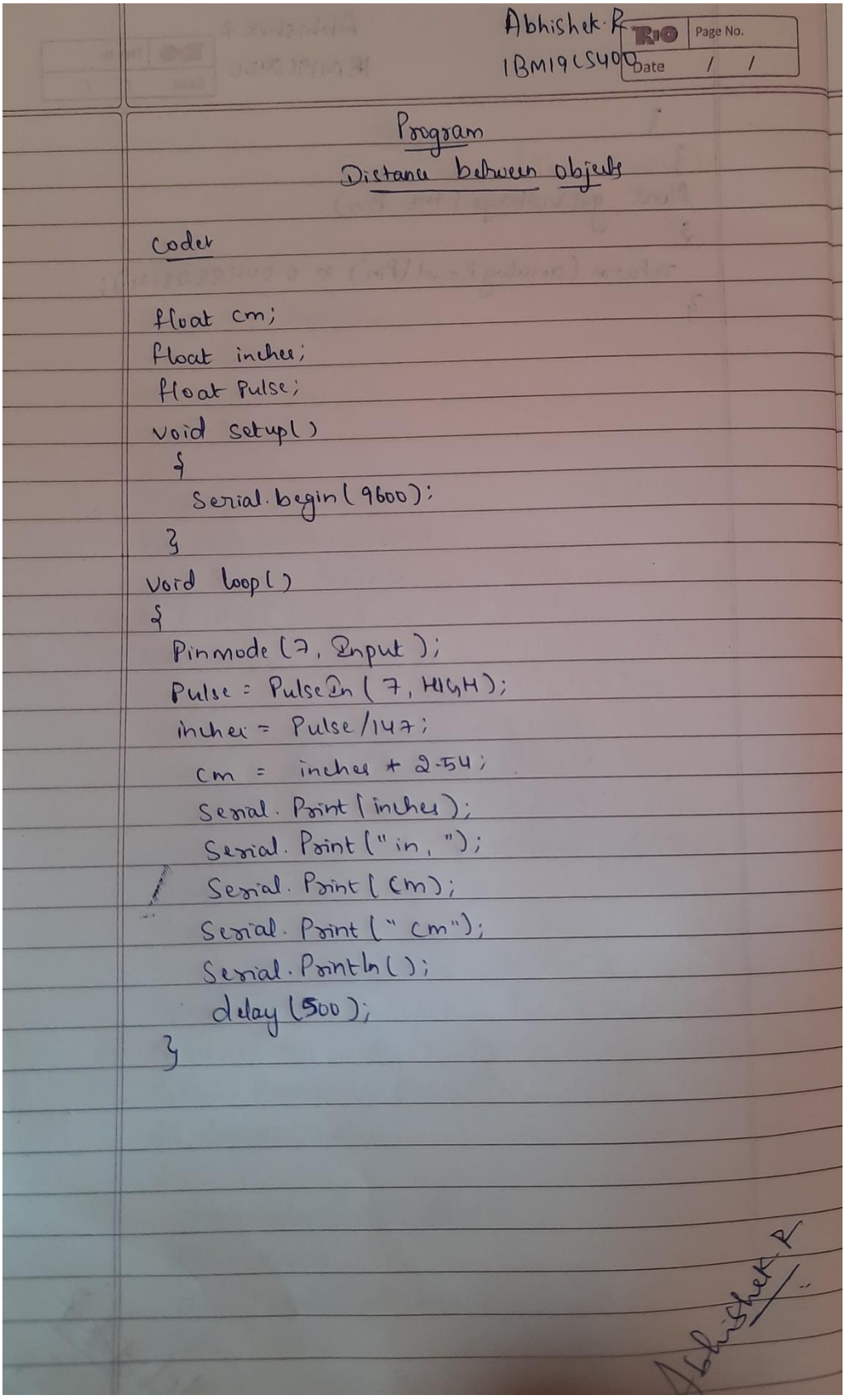
Hardware Required

- Arduino Board
  Ultrasonic distance sensor

Circuit Diagram



Code:



Abhishek.R
1BM19CS400

Page No.
Date / /

Program
Distance between objects

Code:

```
float cm;
float inches;
float Pulse;
void setup()
 {
   Serial.begin(9600);
 }
Void loop()
{
 Pinmode(7, Input);
 Pulse = PulseIn(7, HIGH);
 inches = Pulse/147;
   cm = inches * 2.54;
   Serial.Print(inches);
   Serial.Print("in, ");
   Serial.Print(cm);
   Serial.Print("cm");
   Serial.println();
   delay(500);
}
```

Abhishek.R

Observation /Output

It will tell the distance in inches and centimetre.