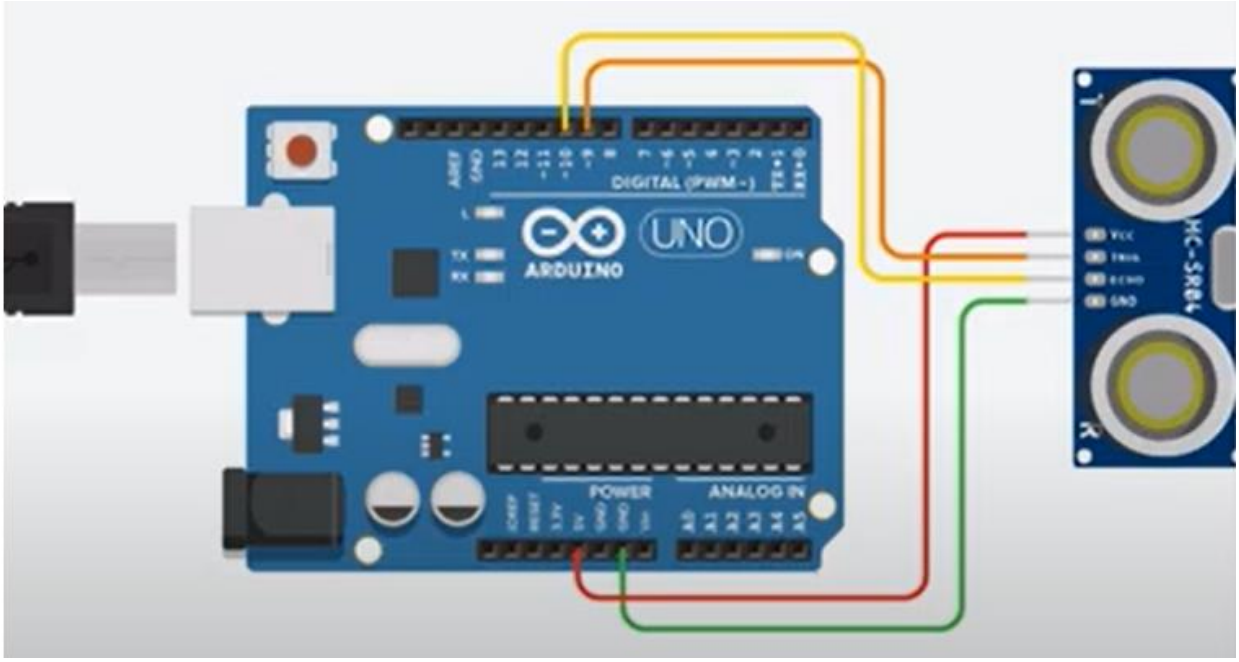
Sweep




```
const byte trigger_Pin = 9;     //Initialize pins
const byte echo_Pin = 10;

unsigned long duration;     //Since PulseIn return an unsigned
unsigned int distance;

void setup() {
  Serial.begin(9600);   //Initialize Serial communication
  pinMode(echo_Pin, INPUT);      //Echo pin as Input
  pinMode(trigger_Pin, OUTPUT);   //Trigger pin as Output
}

void loop() {
  digitalWrite(trigger_Pin, LOW);
  delay(1);
  digitalWrite(trigger_Pin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigger_Pin, LOW);

  duration = pulseIn(echo_Pin, HIGH);
  distance = duration * 0.017;
/* Speed of the sound in Air = 340 m/S
 * multiply it by 100 to get the data in cm
 * divide by 1,000,000 as duration is measured in microseconds
 * divide by 2 as ultrasound signal travels to object and comes
 */
  Serial.print("Distance (cm) : ");
  Serial.println(distance);
  delay(100);
}
```