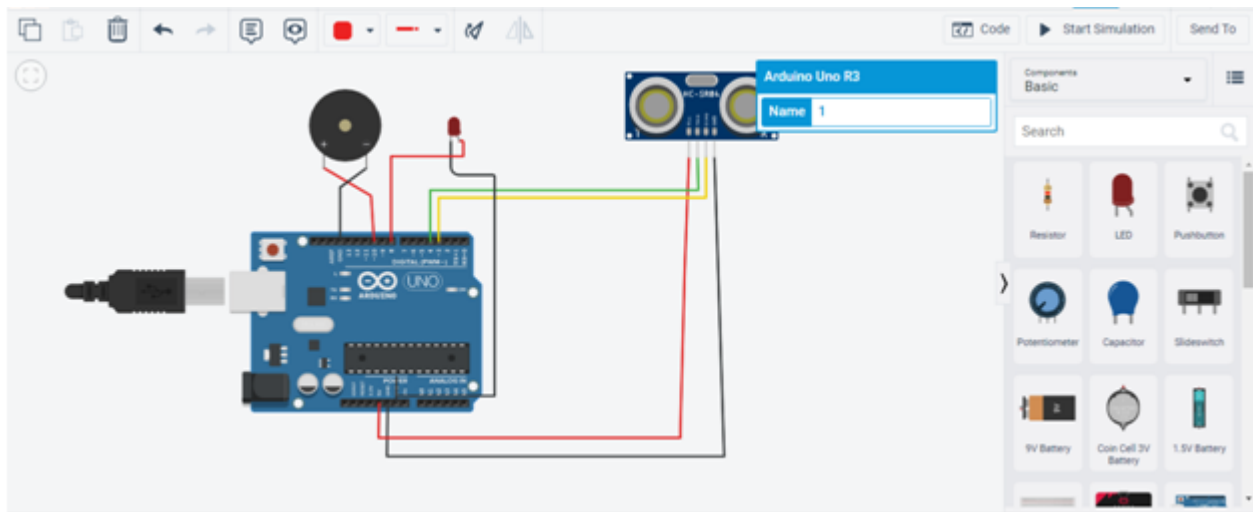| Name:	Subhika.S
RollNo:	73771921200
Team ID:	PT2022TMID11856

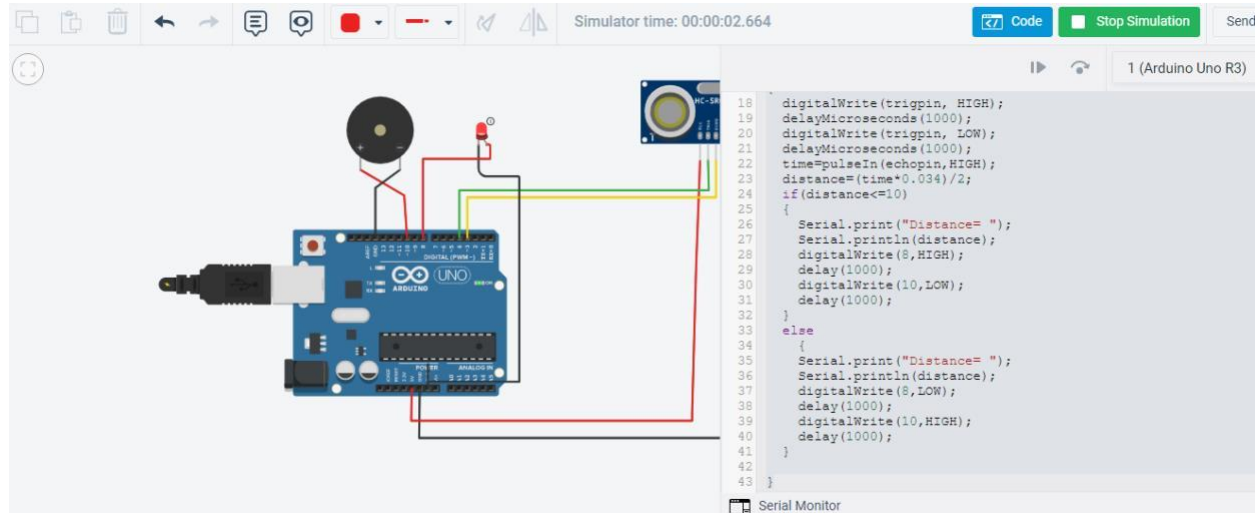## CIRCUIT DIAGRAM

Code:

```
int trigpin=4;

int echopin=3;

int buzzerpin=10;

int time;

int distance;

void setup()

{

 pinMode(8,OUTPUT);

 pinMode(3,INPUT);

 pinMode(4,OUTPUT);

 pinMode(10,OUTPUT);

 Serial.begin(9600);
```

```arduino
void loop()
 {
  digitalWrite(trigpin, HIGH);
  delayMicroseconds(1000);
  digitalWrite(trigpin, LOW);
  delayMicroseconds(1000);
  time=pulseIn(echopin,HIGH);
  distance=(time*0.034)/2;
  if(distance<=10)
  {
   Serial.print("Distance= ");
   Serial.println(distance);
   digitalWrite(8,HIGH);
   delay(1000);
   digitalWrite(10,LOW);
   delay(1000);
  }
  else
   {
   Serial.print("Distance= ");
   Serial.println(distance);
   digitalWrite(8,LOW);
   delay(1000);
   digitalWrite(10,HIGH);
   delay(1000);
  }

 }
```