Assignment-1
BATCH NO :B9-3A5E

Assignment Date	09 September 2022
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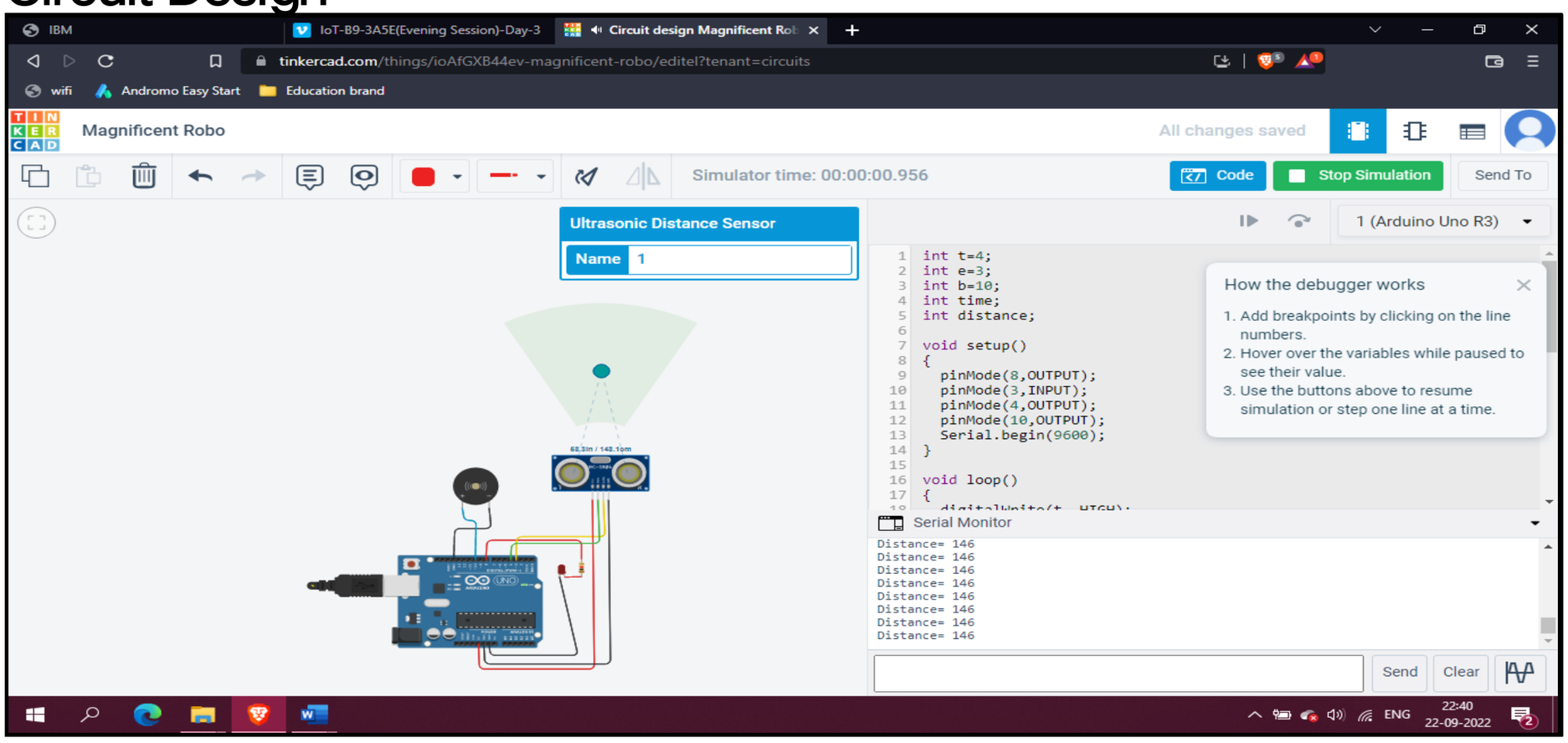
Circuit Design



Program:

```
int t=4;
int e=3;
int b=10;
int time;
int distance;
void setup()
{
  pinMode(8,OUTPUT);
  pinMode(3,INPUT);
  pinMode(4,OUTPUT);
  pinMode(10,OUTPUT);
  Serial.begin(9600);
}
void loop()
{
```

```
digitalWrite(t, HIGH);
delayMicroseconds(10);
digitalWrite(t, LOW);
delayMicroseconds(10);
time=pulseIn(e,HIGH);
distance=(time*0.034)/2;
if(distance<=100)
{
  Serial.print("Distance= ");
  Serial.println(distance);
  digitalWrite(8,HIGH);
  delay(10);
  digitalWrite(10,LOW);
  delay(10);
}
else
  {
  Serial.print("Distance= ");
  Serial.println(distance);
  digitalWrite(8,LOW);
  delay(10);
  digitalWrite(10,HIGH);
    delay(10);
  }
}
```