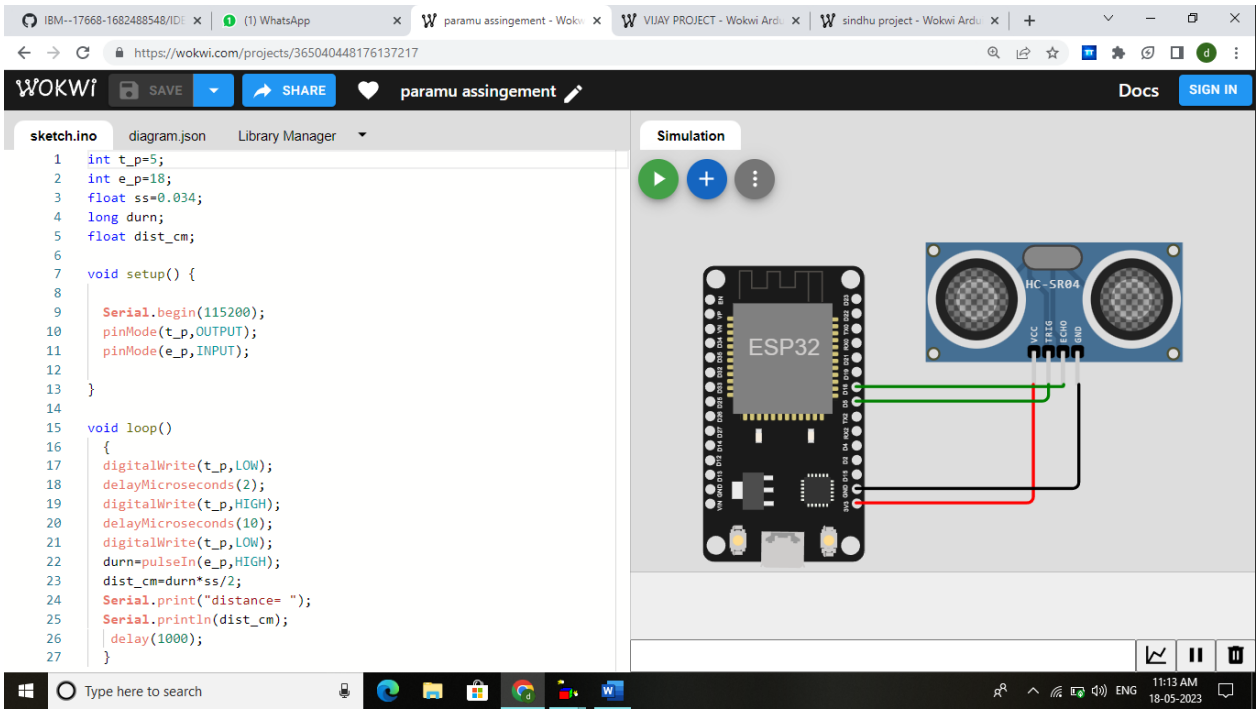
ASSIGNMENT-3

NAME	PARAMESHWARI .S
ASSIGNMENT NAME	Build wowki product, use ultrasonic sensor and detect the distance from the object. Whenever distance is less than 100cms

LINK: https://wokwi.com/projects/365040448176137217



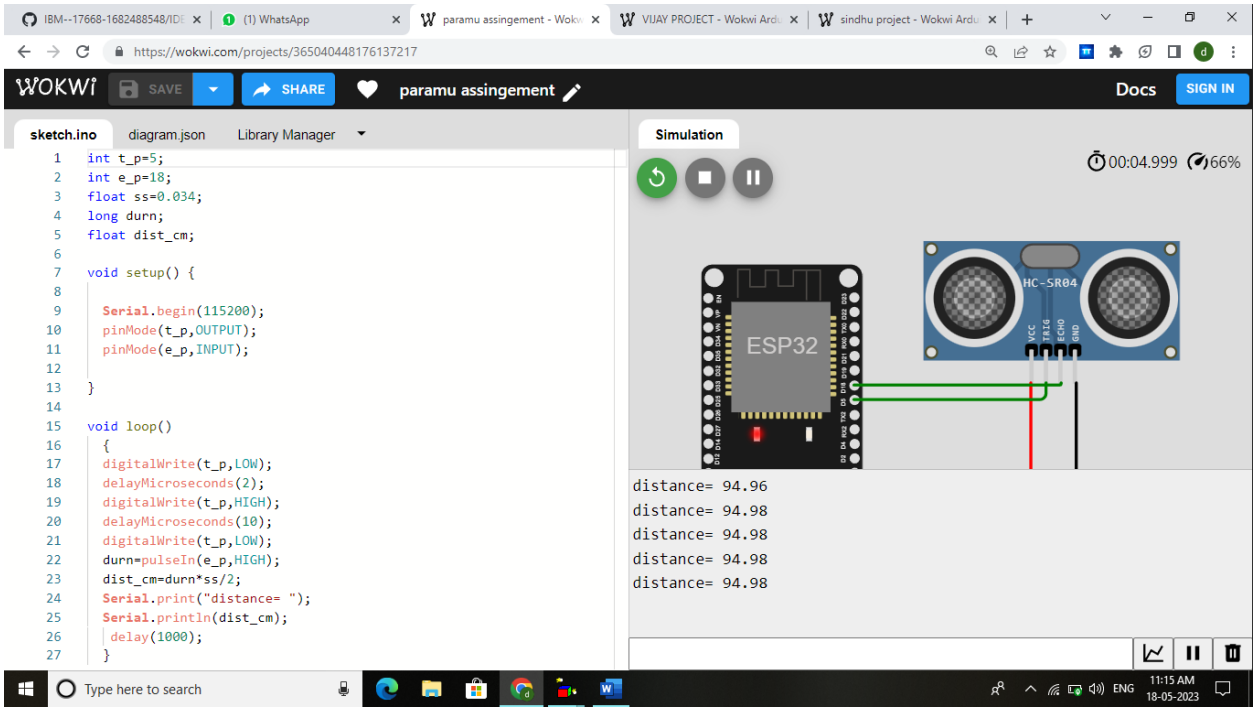

```
int t_p=5;
int e_p=18;
float ss=0.034;
long durn;
float dist_cm;

void setup() {

  Serial.begin(115200);
  pinMode(t_p,OUTPUT);
  pinMode(e_p,INPUT);

}

void loop()
  {
  digitalWrite(t_p,LOW);
  delayMicroseconds(2);
  digitalWrite(t_p,HIGH);
  delayMicroseconds(10);
  digitalWrite(t_p,LOW);
  durn=pulseIn(e_p,HIGH);
  dist_cm=durn*ss/2;
  Serial.print("distance= ");
  Serial.println(dist_cm);
   delay(1000);
  }
```



PROGRAM:

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int e_p=18;
float ss=0.034;
long durn;
float dist_cm;

void setup() {

  Serial.begin(115200);
  pinMode(t_p, OUTPUT);
  pinMode(e_p, INPUT);

}

void loop()
 {
digitalWrite(t_p,LOW);
delayMicroseconds(2);
digitalWrite(t_p,HIGH);
delayMicroseconds(10);
digitalWrite(t_p,LOW);
durn=pulseIn(e_p,HIGH);
```

```
dist_cm=durn*ss/2;
Serial.print("distance= ");
Serial.println(dist_cm);
  delay(1000);
}
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