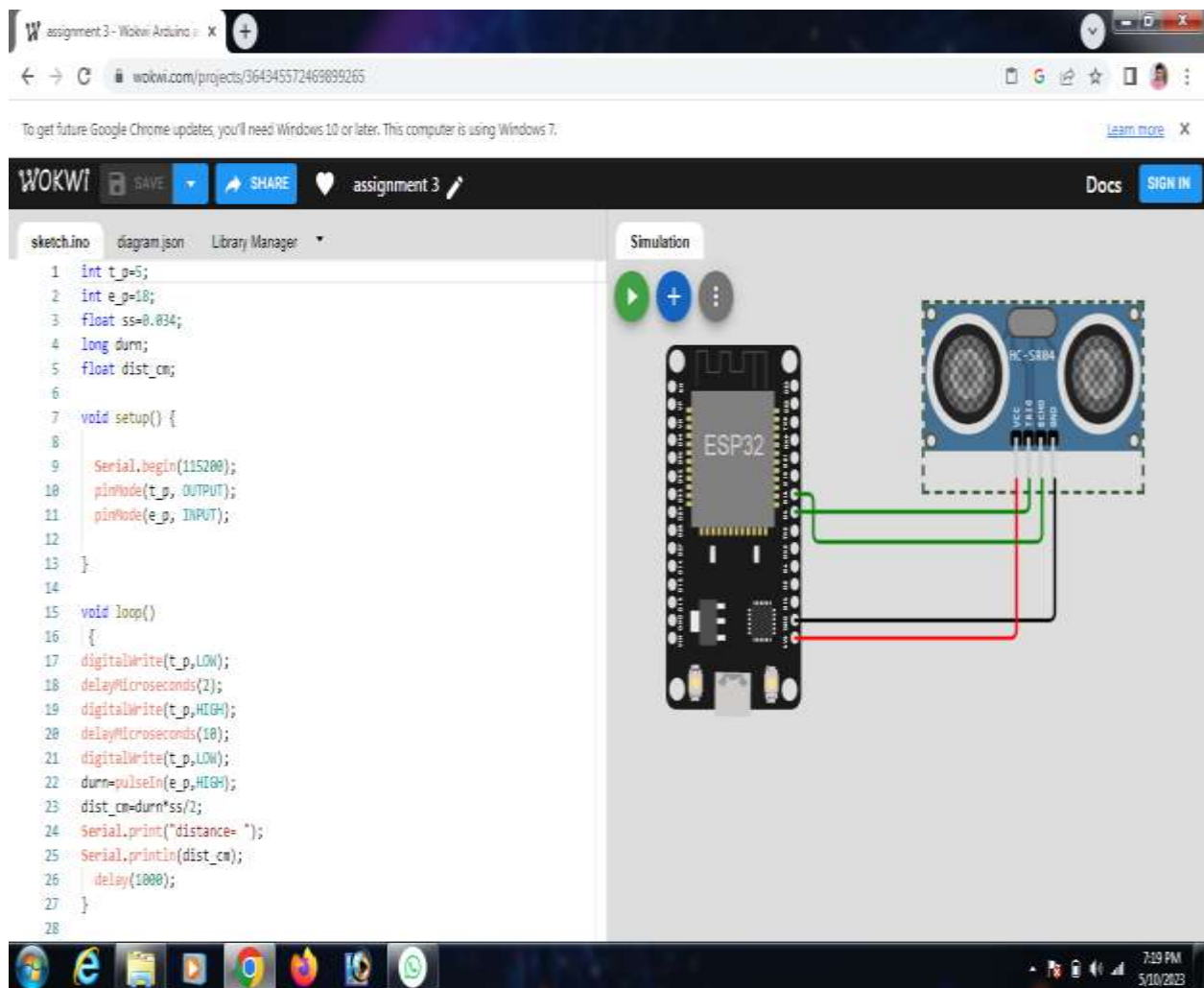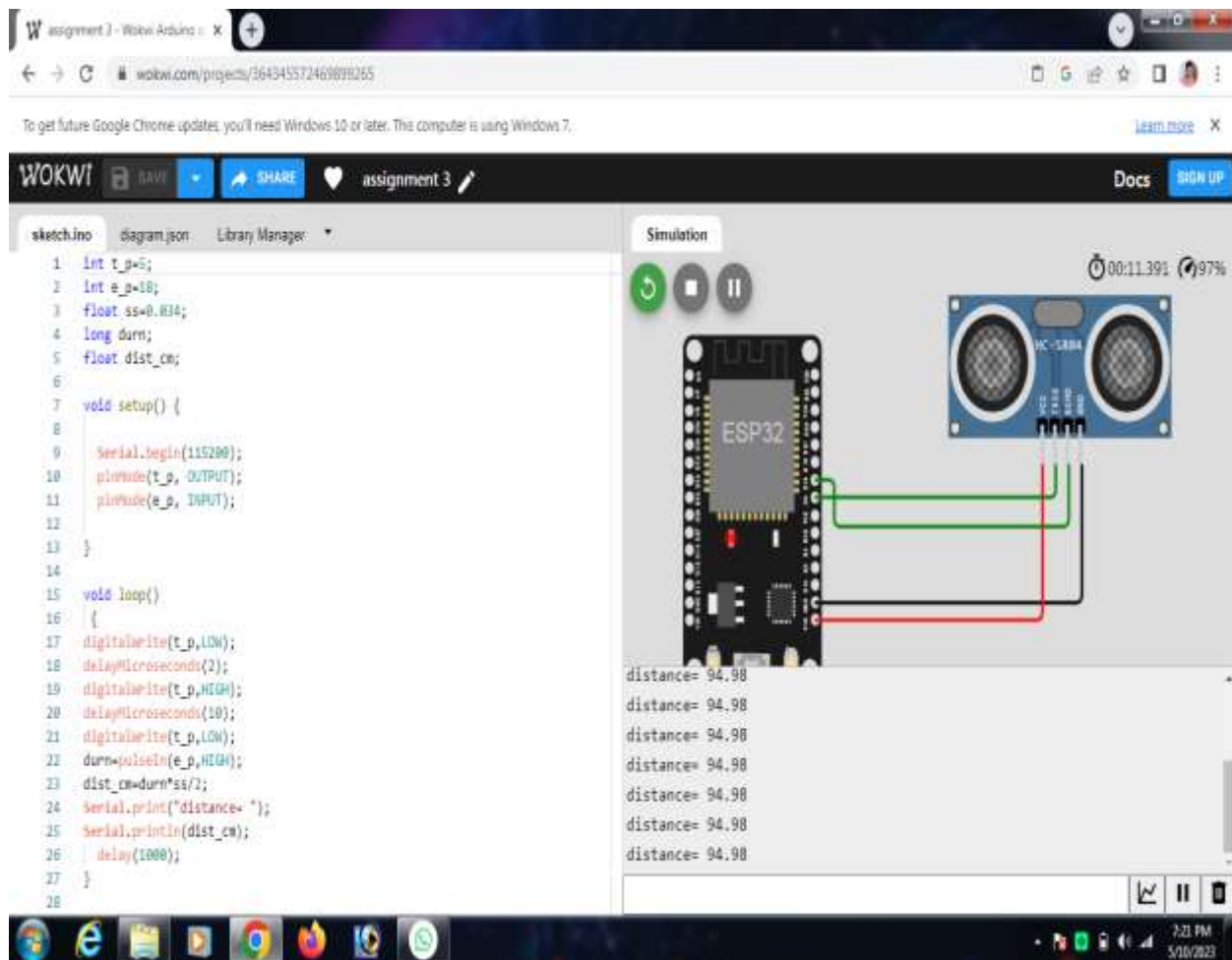# ASSIGNMENT-3

NAME	R.VIGNESH BABU
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/36434557246989265

PROGRAM:

```
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);

}
```

;