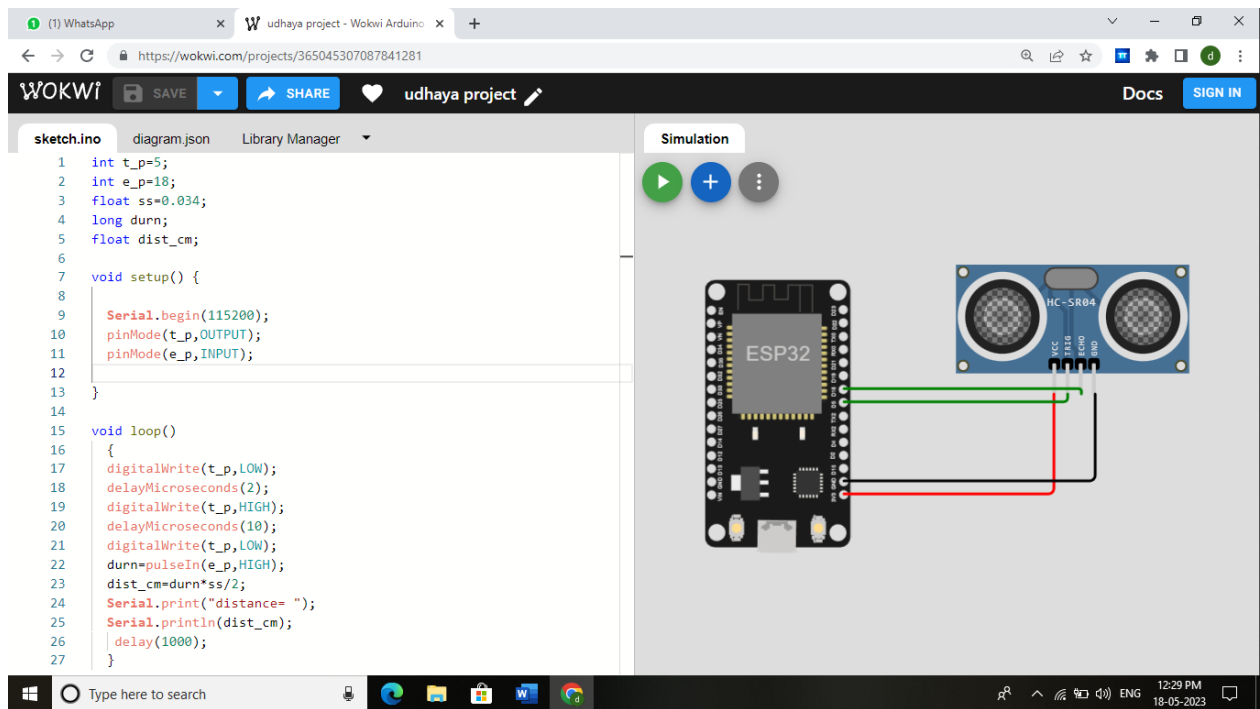
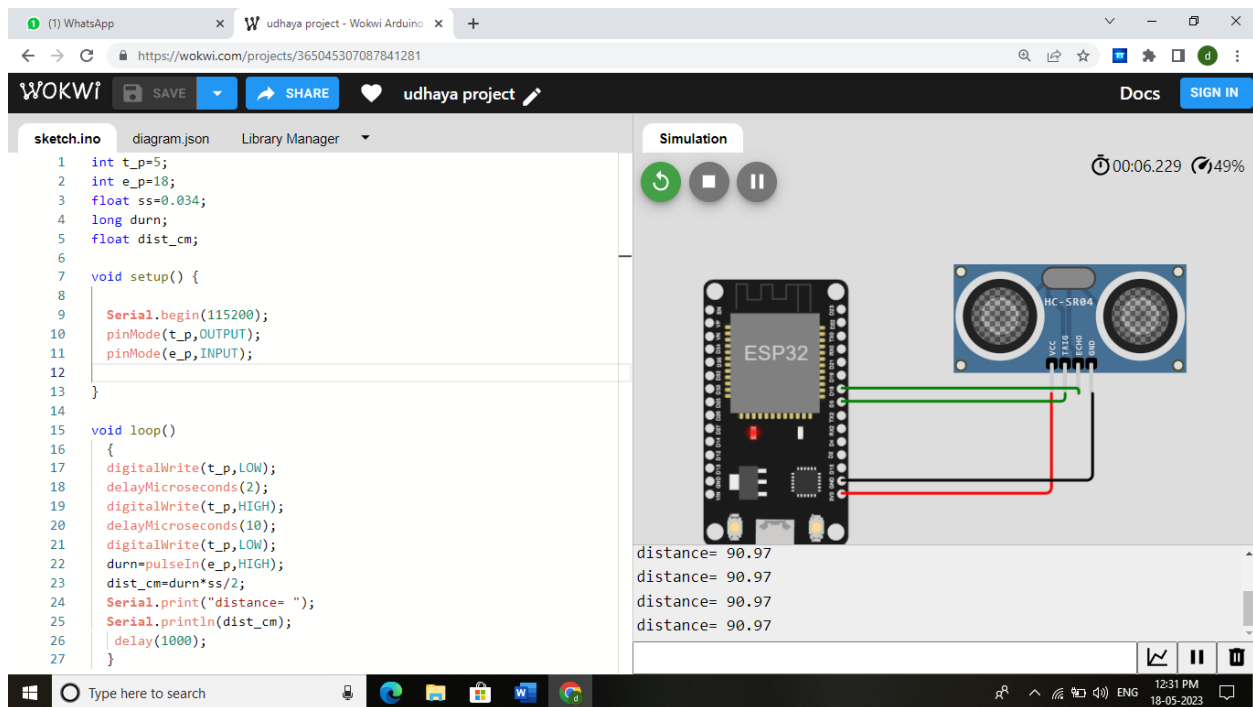


ASSIGNMENT-3

NAME	UDHAYAKUMARI .J
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/365045307087841281>





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);
}
```

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