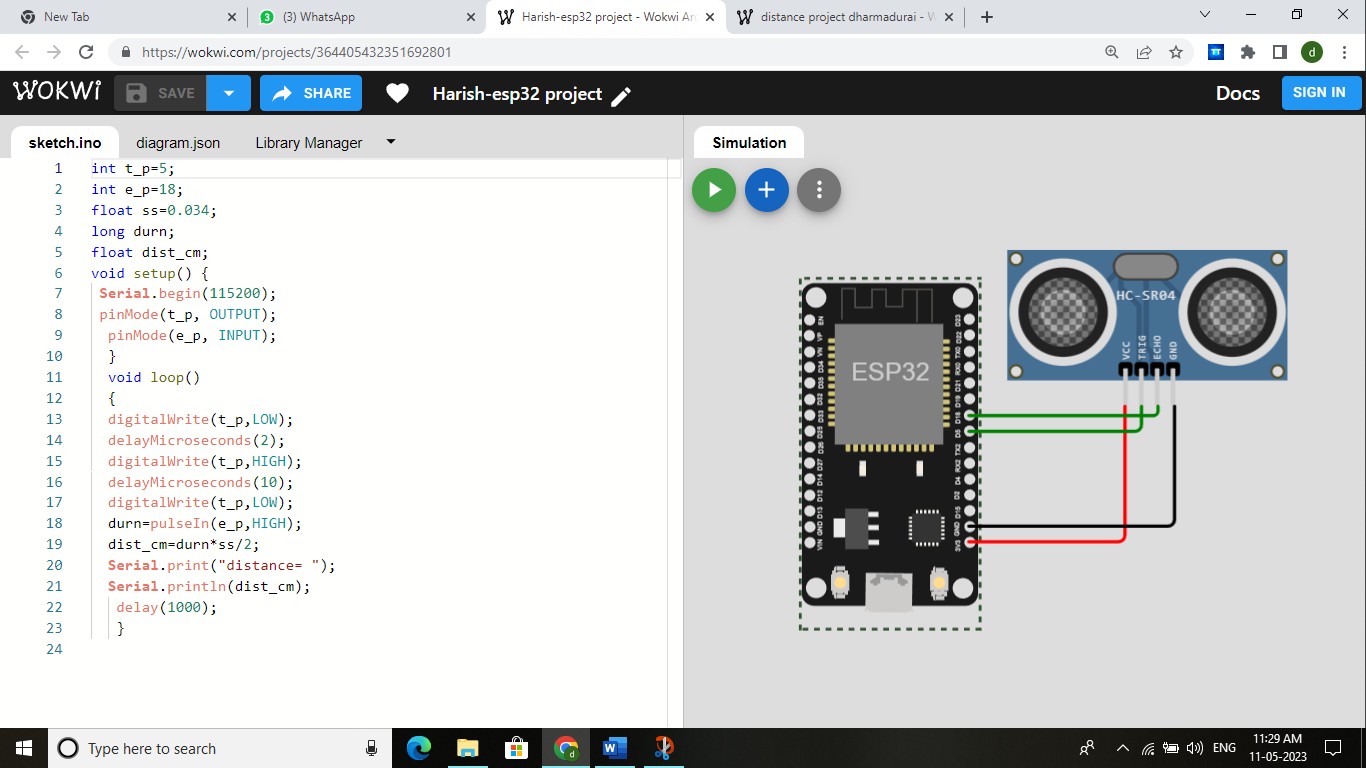
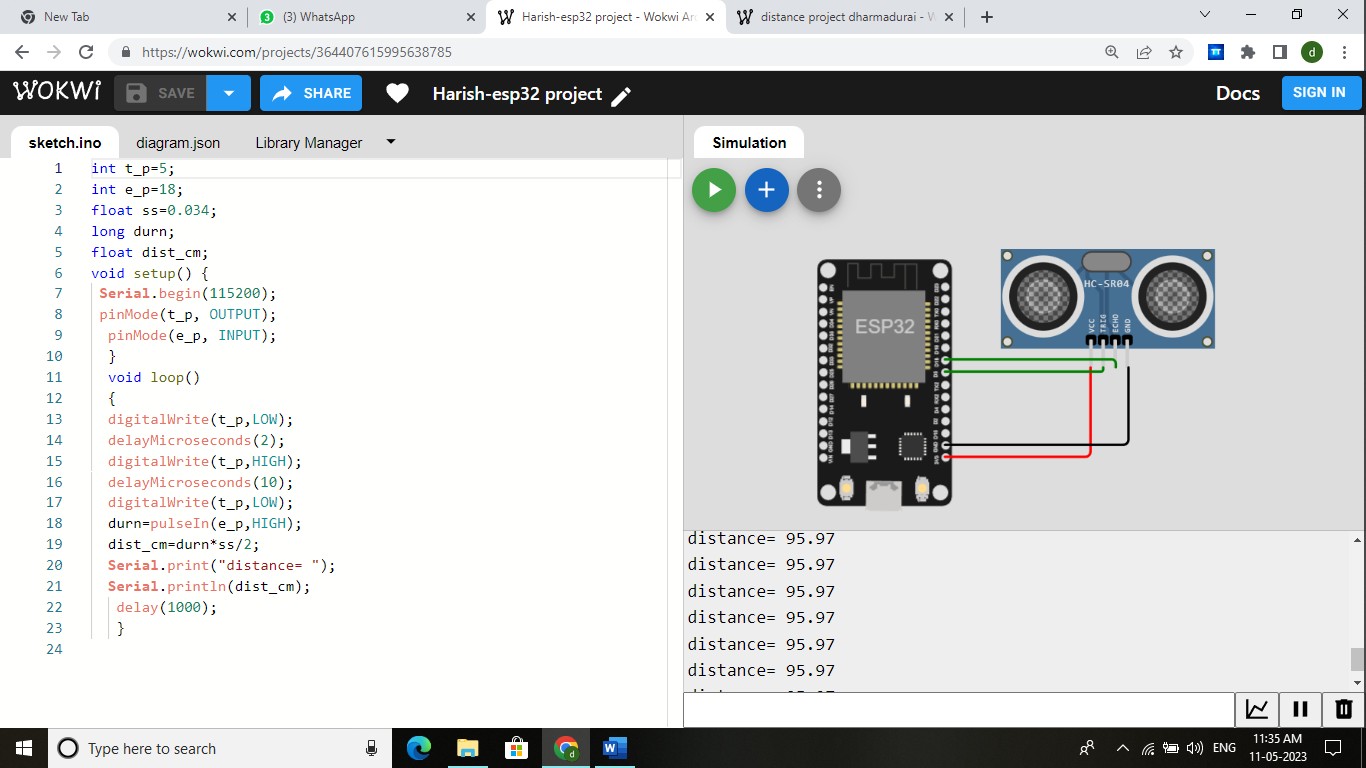
# ASSIGNMENT-3

|  |  |
| --- | --- |
| NAME | K.PRABHU |
| 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/364407615995638785>





# 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);

}