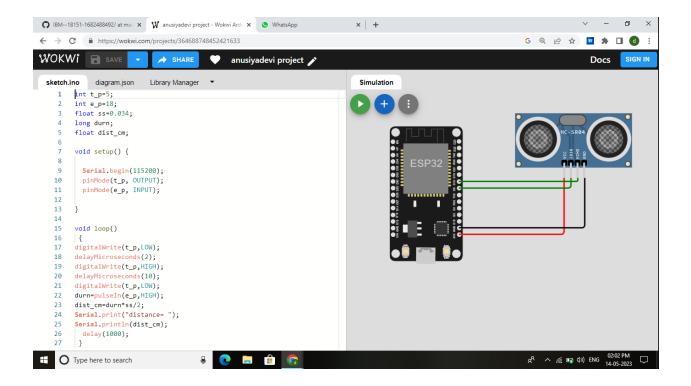
ASSIGNMENT-3

NAME	ANUSIYADEVI
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/364689042931376129



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                                                                                    Simulation
   sketch.ino
                diagram.json
                              Library Manager
      1 int t_p=5;
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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);
     10
     11
     12
     13
     14
          void loop()
          digitalWrite(t_p,LOW);
                                                                                 distance=
          delayMicroseconds(2);
          digitalWrite(t_p,HIGH);
                                                                                 distance= 98.94
         delayMicroseconds(10);
digitalWrite(t_p,LOW);
                                                                                 distance= 98.94
     21
                                                                                 distance= 98.94
          durn=pulseIn(e_p,HIGH);
                                                                                 distance= 98.94
     23
          dist_cm=durn*ss/2;
          Serial.print("distance= ");
Serial.println(dist_cm);
                                                                                 distance= 98.94
     24
                                                                                 distance= 98.94
          delay(1000);
                                                                                                                                                   g<sup>Q</sup> ^ /⁄ [ □ 4)) ENG 02:04 PM □ 14-05-2023 □
Type here to search
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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()
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digitalWrite(t_p,HIGH);
delayMicroseconds(10);
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```

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