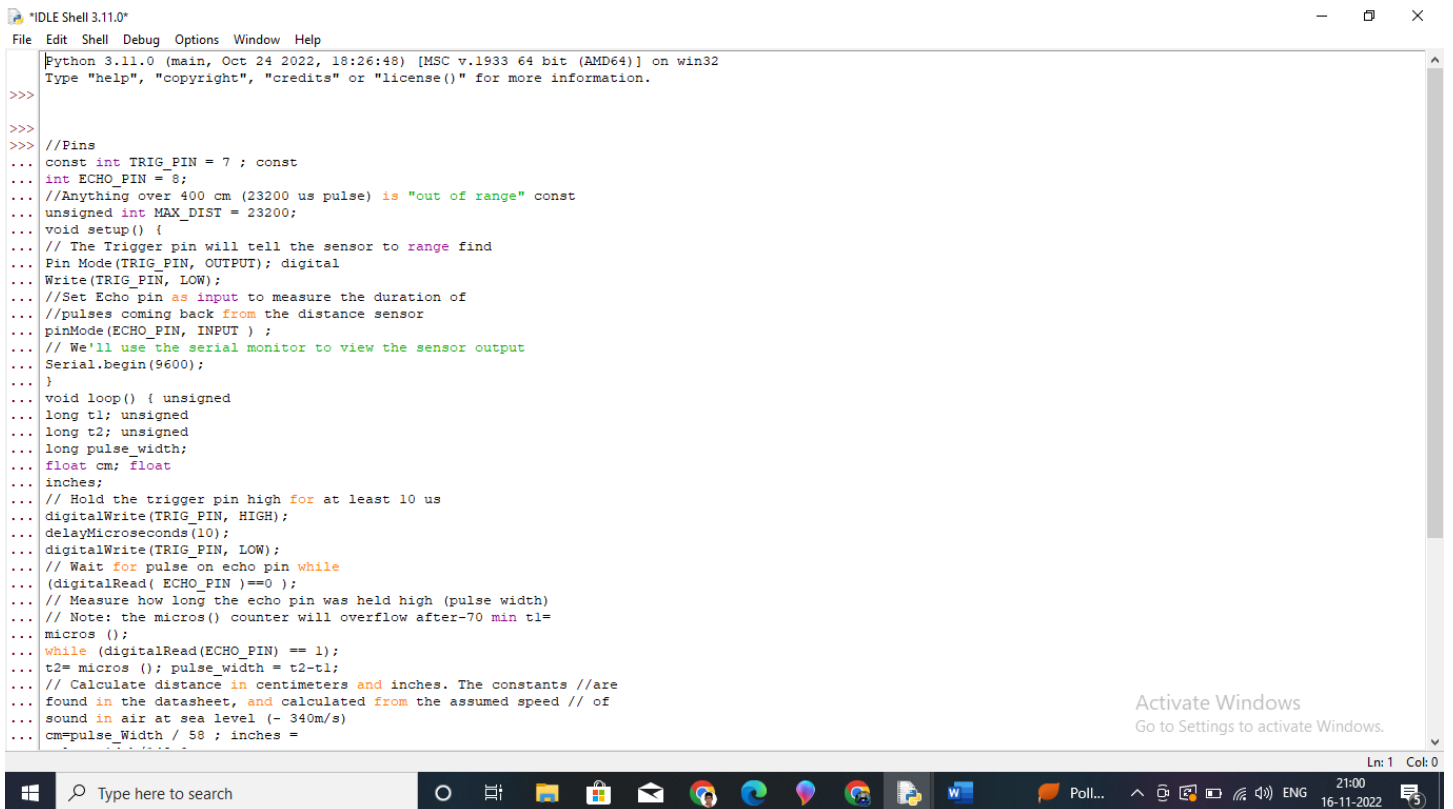


SOFTWARE

| | |
|--------------|--|
| Date | 06 NOVEMBER 2022 |
| Team ID | PNT2022TMID48245 |
| Project Name | Signs with Smart Connectivity for Better Road Safety |



```
"IDLE Shell 3.11.0"
File Edit Shell Debug Options Window Help
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
>>>
>>> //Pins
... const int TRIG_PIN = 7 ; const
... int ECHO_PIN = 8;
... //Anything over 400 cm (23200 us pulse) is "out of range" const
... unsigned int MAX_DIST = 23200;
... void setup() {
...     // The Trigger pin will tell the sensor to range find
...     Pin Mode(TRIG_PIN, OUTPUT); digital
...     Write(TRIG_PIN, LOW);
...     //Set Echo pin as input to measure the duration of
...     //pulses coming back from the distance sensor
...     pinMode(ECHO_PIN, INPUT ) ;
...     // We'll use the serial monitor to view the sensor output
...     Serial.begin(9600);
... }
... void loop() { unsigned
...     long t1; unsigned
...     long t2; unsigned
...     long pulse_width;
...     float cm; float
...     inches;
...     // Hold the trigger pin high for at least 10 us
...     digitalWrite(TRIG_PIN, HIGH);
...     delayMicroseconds(10);
...     digitalWrite(TRIG_PIN, LOW);
...     // Wait for pulse on echo pin while
...     (digitalRead( ECHO_PIN )==0 );
...     // Measure how long the echo pin was held high (pulse width)
...     // Note: the micros() counter will overflow after ~70 min t1=
...     micros ();
...     while (digitalRead(ECHO_PIN) == 1);
...     t2= micros (); pulse_width = t2-t1;
...     // Calculate distance in centimeters and inches. The constants //are
...     found in the datasheet, and calculated from the assumed speed // of
...     sound in air at sea level (~ 340m/s)
...     cm=pulse_width / 58 ; inches =
```

Activate Windows
Go to Settings to activate Windows.

Ln: 1 Col: 0