TEAM ID :PNT2022TMID38196

```
Import RPi.GPIO as GPIO
Import time


Def distancesensor():
 Try:

    GPIO.setmode(GPIO.BOARD)
    GPIO.setwarnings(False)
    PIN_TRIGGER = 23
    PIN_ECHO = 33
    GPIO.setup(PIN_TRIGGER, GPIO.OUT)
    GPIO.setup(PIN_ECHO, GPIO.IN)
    GPIO.output(PIN_TRIGGER, GPIO.LOW)



    Time.sleep(2)
    GPIO.output(PIN_TRIGGER, GPIO.HIGH)

    Time.sleep(0.00001)

    GPIO.output(PIN_TRIGGER, GPIO.LOW)

    While GPIO.input(PIN_ECHO)==0:
        Pulse_start_time = time.time()
    While GPIO.input(PIN_ECHO)==1:
        Pulse_end_time = time.time()

    Pulse_duration = pulse_end_time – pulse_start_time
```

```
    Global distance
    Distance = round(pulse_duration * 17150, 2)
    Print(distance)
    Return distance


Finally:
  GPIO.cleanup()
```