

ASSIGNMENT – 04

DATE	30-OCT-2022
STUDENT NAME	M.Rajapraba
STUDENT ROLL NO	912619106010
MAXIMUM MARK	2 marks

CODE

```
int t=2;

int e=3;

void setup()

{

Serial.begin(9600);

pinMode(t,OUTPUT);

pinMode(e,INPUT);

pinMode(12,OUTPUT );

}

void loop()

{

//ultrasonic sensor digitalWrite(t,LOW);

digitalWrite(t,HIGH);

delayMicroseconds(10);

digitalWrite(t,LOW)

float dur=pulseIn(e,HIGH);

float dis=(dur*0.0343)/2;

Serial.print("Distance is: ");

Serial.println(dis);

//LED ON if(dis>=100)
```

```

{
digitalWrite(8,HIGH );
digitalWrite(7,HIGH );
}

//Buzzer For ultrasonic Sensor if(dis>=100)

{
for(int i=0; i<=30000; i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}

```



