ASSIGNMENT-IV

```
const int trigpin =5; const
int echopin=18; #define
sound_speed 0.034 long
duration; float distance;
void setup() {
Serial.begin(115200);
pinMode(trigpin,OUTPUT);
pinMode (echopin,INPUT);
}
void loop() { digitalWrite(trigpin,LOW);
digitalWrite(trigpin,HIGH);
delayMicroseconds(10);
digitalWrite(trigpin,LOW); duration
=pulseIn(echopin,HIGH); distance=
duration*sound_speed/2;
Serial.println("distance"+String (distance) +"cm");
if(distance<100)
  Serial.println("alert");
 }
 else
 Serial.println("no object near");
}
```

