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");

}

