|  |
| --- |
| **ASSIGNMENT 4**  **WRITE CODE AND CONNECTION IN WORKWI FOR THE ULTRASONIC SEWNNSOR.**  **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);

}

}

