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| Date | 14 September 2022 |
| Team ID | PNT2022TMID45285 |
| Project Name | IOT Based Safety Gadget for Child Safety Monitoring And Notification |
| Name | Umarani V |

ASSIGNMENT-1

***Build a smart home in Thinkercad with 2 sensors, an Led, buzzer and submit it.***

**PROGRAM:**

**Void Setup()**

**{**

**Serial.begin(9600);**

**pinMode(12,OUTPUT);**

**pinMode(2,INPUT);**

**}**

**Void loop()**

**{**

**Int motion=digital Read(2);**

**double data=analogRead(A0);**

**double n=data/1024;**

**Serial.print(“converted Analog Data:”);**

**Serial.println(n);**

**double volt =n\*5;//because connected to 5v**

**Serial.print(“ Voltage data:”);**

**Serial. Print ln(volt);**

**Double off=volt=0.5;**

**Serial.print(“Offset Data:”);**

**Serial.println(off);**

**Double temperature=off\*100;**

**Serial.print(“Temperature Data:”);**

**Serial.println(temperature);**

**if(motion==1&& temperature<60)**

**tone(12,100);**

**else if(motion==0&& temperature>60)**

**tone(12,200);**

**else if(motion==1&& temperature>60)**

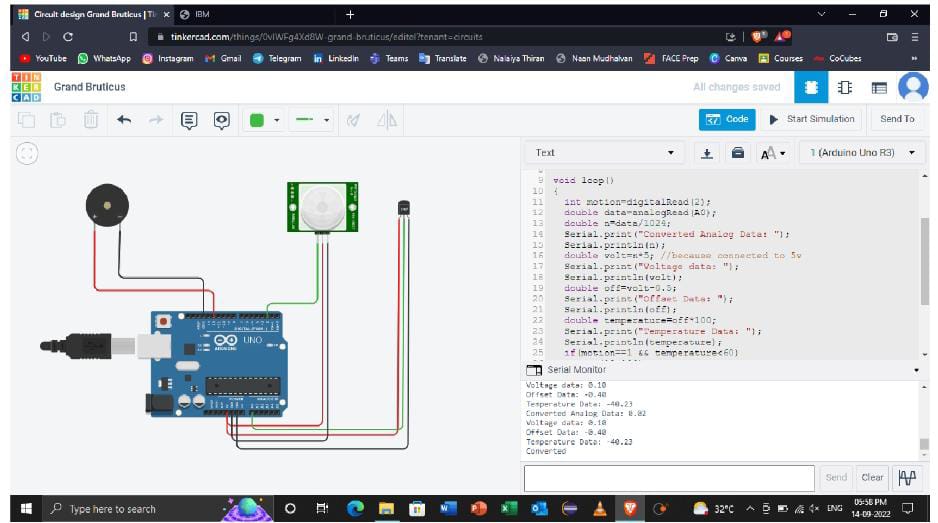
**no Tone(12);**

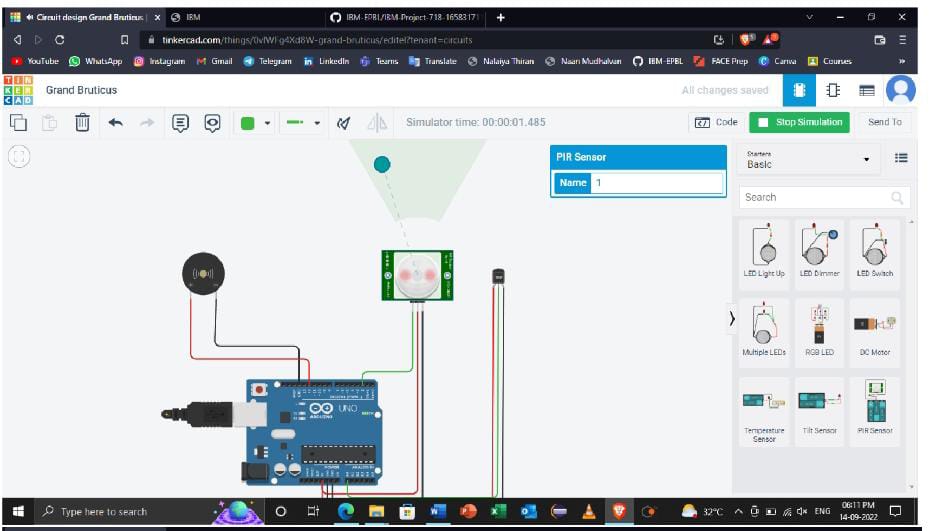
**else if(motion==0&& temperature<60)**

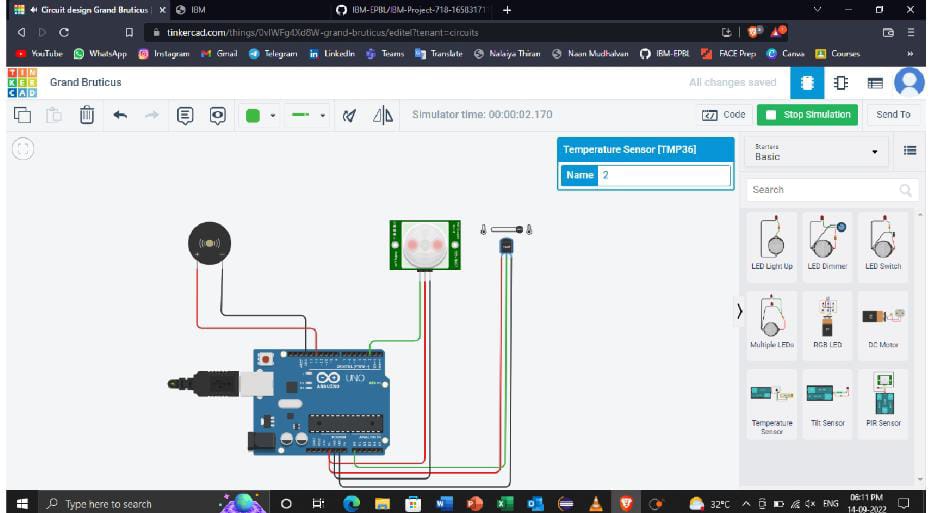
**no Tone (12);**

**}**

*OUTPUT:*

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