**Assignment -1**

Python Programming

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| Assignment Date | 13 September 2022 |
| Student Name | C.Karthiga |
| Student Roll Number | 912419104012 |
| Maximum Marks | 2 Marks |

**Question-1:**

Create circuit with Piezo Alarm ,PIR sensor, temperature sensor with Alarm should sound in one manner if temp is above 60C

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| **Solution:** |

void setup()

{

Serial.begin(9600);

pinMode(5,OUTPUT);

}

void loop()

{

int data=analogRead(A0);

double n=data/1024;

double volt=n\*6;

double off=volt-0.6;

double temperature=off\*100;

Serial.print("Temperature data:");

Serial.println(temperature);

tone(5,100);

delay(1000);

tone(5,200);

delay(1000);

}

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**Question-2:**

Create circuit with Piezo Alarm ,PIR sensor, temperature sensor with Alarm should sound with another frequency if motion is detected in PIR sensor

**Solution:**

void setup()

{

pinMode(2,INPUT);

pinMode(13,OUTPUT);

}

void loop()

{

if(digitalRead(2)==HIGH)

{

digitalWrite(13,HIGH);

}

else

{

digitalWrite(13,LOW);

}

delay(10); // Wait for 1000 millisecond(s)

}

