

Assignment -1

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| Assignment Date | 19 September 2022 |
| Student Name | Mani Indhu |
| Student Roll Number | 511319106023 |
| Maximum Marks | 2 Marks |

QUESTION-1:

Build a Smart home using Tinkercad, take any sensors(atleast 2)and use LED and Buzzer

Solution:

```
void setup() {  
  Serial.begin(9600);  
  pinMode(A0, INPUT);  
  // put your setup code here, to run once:  
}  
void loop() {  
  int a;  
  a = analogRead(A0);  
  a = a * 0.49;  
  Serial.print("Temp:");  
  Serial.println(a);  
  delay(1000);  
  if (a > 30 && a < 45)  
  {  
    Serial.println("temp is normal");  
  }  
  if (a > 45 && a < 60)  
  {  
    Serial.println("temp is high");  
  } if (a > 90)  
  {  
    Serial.println("temp is critical");  
  }  
}
```

