

Assignment -1

Assignment Date	19 September 2022
Student Name	S.R.Ghousiya
Student Roll Number	511319106010
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");  
  }  
}
```

