

Assignment -1
Tinkercad

Assignment Date	15 september 2022
Student Name	VARUNPRAKASH V
Student Roll Number	621319106098
Maximum Marks	2 Marks

Question-1:

Home automation using tinkercad

Solution:

```
int t=2;

int e=3;

void setup()
{
    Serial.begin(9600);
    pinMode(13,OUTPUT);
    pinMode(12,OUTPUT);
    pinMode(t,OUTPUT);
    pinMode(e,INPUT);
}

void loop()
{
    double a=analogRead(A0);
    double t=(((a/1024)*5)-0.5)*100;
    Serial.print("temp value:");
    Serial.println(t);
    if(t>23)
        digitalWrite(13,HIGH);
    else
        digitalWrite(13,LOW);
    digitalWrite(t,LOW);
    digitalWrite(t,HIGH);
```

}

