

Date	15 sep 2022
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Team ID	PNT2022TMID46732
Project Name	Industry specific intelligent fire management system
Maximum Mark	2

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

```
float x,y,z,temp;

void setup()
{
pinMode(8, INPUT);
pinMode(5, OUTPUT);
pinMode(6, OUTPUT);
pinMode(A5, INPUT);
pinMode(A4, INPUT);
Serial.begin(9600);
}

void loop()
{ x= digitalRead(8);
y= analogRead(A5);
z= analogRead(A4);
Serial.println(x);
Serial.println(y);
//Code for Simulation
Serial.println(z);
temp = (double)z / 1024;
```

```
temp = temp * 5;  
temp = temp - 0.5;  
temp = temp * 100;  
if ( (x>0) )  
{  
  if ((y<550)&&(temp>30))  
  {  
    digitalWrite(5, HIGH);  
    digitalWrite(6, HIGH);  
  }  
  else if((y<550)&&(temp<550)&&(temp>30))  
  {  
    digitalWrite(5, LOW);  
    digitalWrite(6, HIGH);  
  }  
}
```

