

SMART HOME AUTOMATION

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

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

void loop()
{
  x=digitalRead(8);
  y=analogRead(A5);
  z=analogRead(A4);
  Serial.println(x);
  Serial.println(y);
  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<30))  
{  
digitalWrite(5,HIGH);  
digitalWrite(6,LOW);  
}  
else if((y>550)&&(temp<30))  
{  
digitalWrite(5,LOW);  
digitalWrite(6,HIGH);  
}  
else if((y>550)&&(temp<30))  
{  
digitalWrite(5,LOW);  
digitalWrite(6,LOW);  
}  
}  
else  
{  
digitalWrite(5,LOW);  
digitalWrite(6,LOW);  
}  
}
```

