Smart Home Automation

```
float x,y,z,temp;
void setup()
 pinMode(9,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);
 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);
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                                                                                                    design by:
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                                                                                           Edited 9/19/22, Created 9/19/22
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```