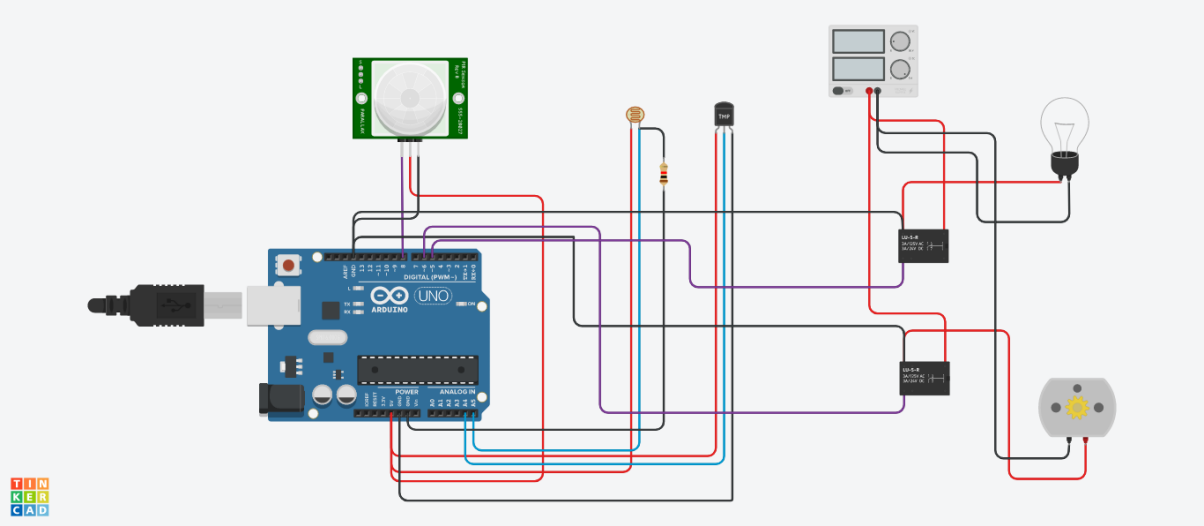
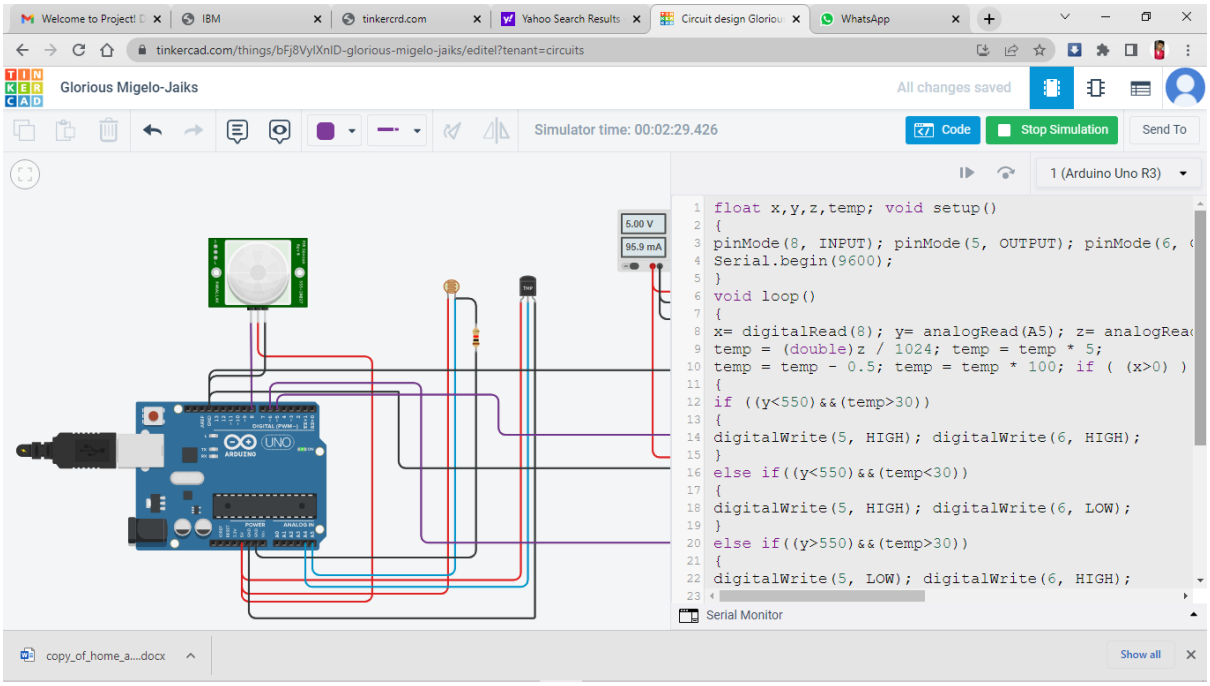
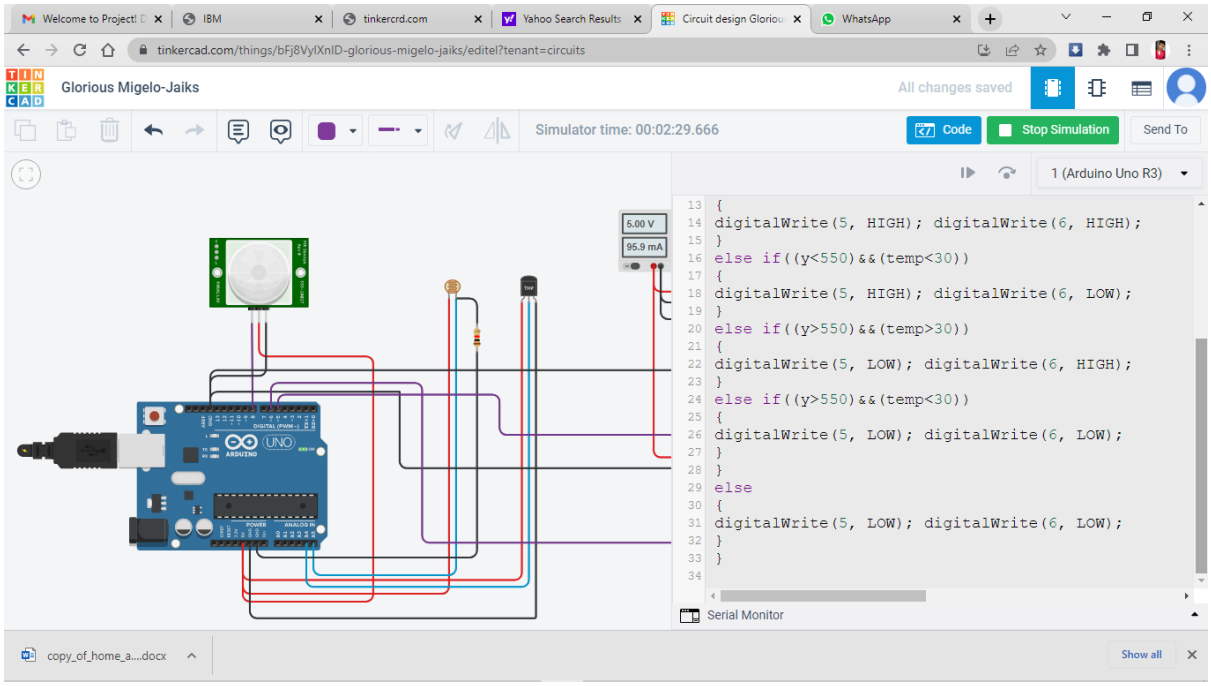
SMART HOME AUTOMATION





SMART HOME AUTOMATION



CODING

```
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)
  ;
  Serial.println(z)
  ;
  temp = (double)z / 1024;
  temp = temp * 5;
  temp = temp - 0.5;
  temp = temp * 100;
  if ( (x>0) )
```

SMART HOME AUTOMATION

```
  {
    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);
  }
}
```