

```

Float x,y,z,temp;

Void setup()
{
    pinMode(5, OUTPUT);
    pinMode(8, INPUT);
    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);
}
}
```

