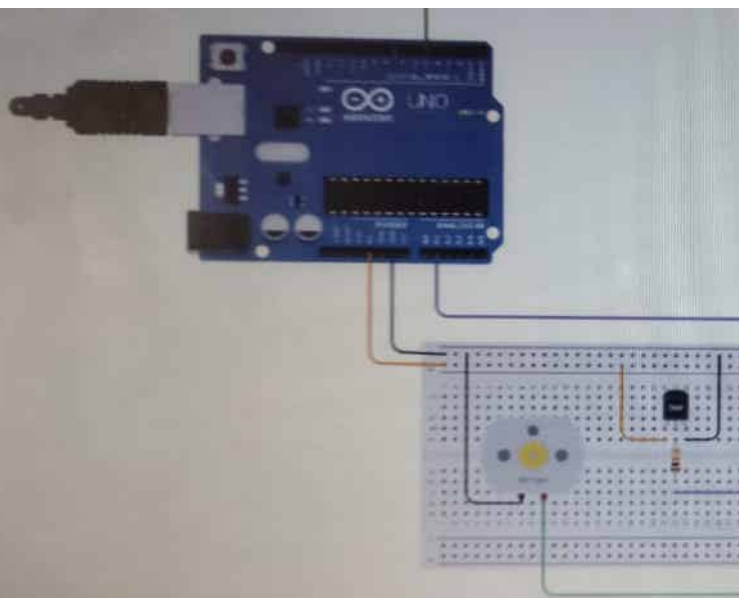


```
1 int DCMotorPin=5;
2 int DCMotorPower=0;
3 int temperaturePin=A1;
4 int tempAnalog;
5
6
7 void setup()
8 {
9   pinMode(temperaturePin, INPUT);
10  pinMode(DCMotorPin, OUTPUT);
11  Serial.begin(9600);
12 }
13
14 void loop()
15 {
16   tempAnalog = analogRead(temperaturePin);
17   double tempCelsius = (double)tempAnalog/1024*5;
18   tempCelsius = tempCelsius * 0.5;
19   tempCelsius = tempCelsius * 100;
20   Serial.print("The temperature is ");
21   Serial.print(tempCelsius);
22   Serial.print("°C Fan is: ");
23
24   if(tempCelsius>25){
25     DCMotorPower=1000;
26     Serial.println("On");
27   }
28   else{
29     DCMotorPower=0;
30   }
31 }
```

Serial Monitor



```
1 void setup()
2 {
3   pinMode(temperaturePin, INPUT);
4   pinMode(DCMotorPin, OUTPUT);
5   Serial.begin(9600);
6 }
7
8 void loop()
9 {
10   tempAnalog = analogRead(temperaturePin);
11   double tempCelsius = (double)tempAnalog/1024*5;
12   tempCelsius = tempCelsius - 0.5;
13   tempCelsius = tempCelsius * 100;
14   Serial.print("The temperature is ");
15   Serial.print(tempCelsius);
16   Serial.print("\n Fan is: ");
17
18   if(tempCelsius>25){
19     DCMotorPower=1000;
20     Serial.println("On");
21   }
22   else{
23     DCMotorPower=0;
24     Serial.println("Off");
25   }
26   analogWrite(DCMotorPin, DCMotorPower);
27 }
```

Serial Monitor