

```
void setup()
```

```
{
```

```
  Serial.begin(9600);
```

```
  pinMode(13, OUTPUT);
```

```
  pinMode(12,OUTPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
  int a=analogRead(A0);
```

```
  Serial.println(a);
```

```
  if(a>500)
```

```
    digitalWrite(13,HIGH);
```

```
  else
```

```
    digitalWrite(13,LOW);
```

```
  double b=analogRead(A1);
```

```
  double t((((b/1024)*5)-0.5)*100);
```

```
  Serial.print("temp value:");
```

```
  Serial.println(t);
```

```
  if(t>23)
```

```
    digitalWrite(12,HIGH);
```

```
  else
```

```
    digitalWrite(12,LOW);
```

}

