

Wo, wie, was

Die main.c ist bereits vorgefertigt. Wo ergänzen wir welche Programmteile?

```
/* mbed Microcontroller Library
 * Copyright (c) 2019 ARM Limited
 * SPDX-License-Identifier: Apache-2.0
 */
```

```
#include "mbed.h"
#include "platform/mbed_thread.h"
```

```
// Blinking rate in milliseconds
#define BLINKING_RATE_MS
```

500

```
int x=0; //Globale Variablen
```

<= globale Variablen

```
void tuwas(void)
{
}
```

<= Unterprogramm

```
int main()
{
```

```
    int y=0; //lokale Variablen
```

<= Lokale Variablen

```
    PortOut ampel(PortC,0xFF);
    DigitalOut led(PA_5);
    DigitalIn Taste(PA_1);
    Taste.mode(PullDown);
```

<= Initialisierungen

```
    while (true) {
        led=Taste;
        if (Taste==true) ampel=0b10101010;
        else ampel=0b01010101;
    }
```

<= Endlosprogramm

```
}
```