

# PAP- Blinken\_Hausaufgabe

Start

Ports/Interrupt/Variablen  
initialisieren

Hilfsvariable  
== 1 ?  
(sbTaste gedrückt?)

LED an

Warte(1s)

LED aus

Warte(1s)

```
#include <reg932.h>
sbit sbTaste=P1^3;
sbit sbLED=P1^0;
bit sbHilfsvariable
```

```
void warte(Endwert)
unsigned int warte;
for ( warte = 0; warte < Endwert; warte++ );
}
```

```
void main(void)
{
    P1M1 = 0xFE;
    IT0 = 1;
    IE0 = 0;
    EX0 = 1;
    EA = 1;
    sbLED=1;
    sbHilfsvariable=0;
    while(1)
    {
        if(sbHilfsvariable == 1)
        {
            sbLED = 0;
            warte(500000);
            sbLED = 1;
            warte(500000);
        }
    }
}
```

```
void v_int0( void ) interrupt 0 using 1
{
    warte(500000);
    if(sbTaste == 0)
    {
```

```
        if(sbHilfsvariable == 1)
        {
            sbHilfsvariable = 0;
        }
        else
        {
            sbHilfsvariable = 1;
        }
    }
}
```

