

```
#include " ~ ked.h"
   Pumot Led Pum (PTD2).
  int main ()
     Ledeun. period (0.01):
     while (+rue)
        for (float val= 0.0) val (1.0; Val+= 0.05) {
         wait (0.05)
        for ( That val= 1. 0, val > 0.0, val -= 0.05)
           Lospum = val),
# include "mbod.h
DisitalIn switchen (PTD3, eullo).
Digitalout led Pin (PIDZ),
in- main ()
  LedPin = 0;
while (+ rue)
     if (switchon == true)
Ledpin = 1;
     else
LedPin=0,
3
 outeut
 pwm outeu t
 input
 Project 0
 Each switch stee 20% light
   cetvins to off stute
      a) with pwn
       b) without pwn
```