

```
1  #include
   <18F45K20.h>
                                     //CCS
2  #device
   ADC=10
                                     //CCS
3
4  #FUSES
   NOWDT
                                     //No Watch Dog Timer
5  #FUSES
   FCMEN
                                     //Fail-safe clock monitor enabled
6  #FUSES
   IESO
                                     //Internal External Switch Over mode enabled
7  #FUSES
   PUT
                                     //Power Up Timer
8  #FUSES
   BROWNOUT
                                     //Reset when brownout detected
9  #FUSES
   BORV27
                                     //Brownout reset at 2.7V
10 #FUSES
   LPT10SC
                                     //Timer1 configured for Low-power operation
11 #FUSES
   HFOFST
                                     //High Frequency INTRC starts clocking CPU immediately
12 #FUSES
   NOPROTECT
                                     //Code not protected from reading
13 #FUSES
   NOWRT
                                     //Program memory not write protected
14 #FUSES
   NOEBTR
                                     //Memory not protected from table reads
15 #FUSES
   NOMCLR
                                     //Memory not protected from memory clear
16
17 #use
   delay(internal=16MHz)
                                     //CCS
18 #use
   i2c(Master,Fast,sda=PIN_C4,scl=PIN_C3,force_hw)
                                     //CCS
19
20 #define DELAY
   500
                                     //CCS
```