**Generation of PWM signal**

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```c
#include <p18f4550.h>
void delay(unsigned int time){
    unsigned int i,j;
    for(i=0;i<time;i++){
        for(j=0;j<710;j++);
    }
}


void main(){
    TRISCbits.TRISC2 = 0;
    TRISD =0;
    PR2 = 0x07;
    CCP1CON = 0x0C;
    T2CON = 0x07;
    PORTDbits.RD5 = 1;
    PORTDbits.RD6 = 0;

    while(1)
    {
        CCP1CONbits.DC1B0 = 0;
        CCP1CONbits.DC1B1 = 0;
        CCPR1L = 0x96;
        delay(2000);
```

```
CCP1CONbits.DC1B0 = 0;

CCP1CONbits.DC1B1 = 1;

CCPR1L = 0x70;

delay(2000);


CCP1CONbits.DC1B0 = 0;

CCP1CONbits.DC1B1 = 0;

CCPR1L = 0x4B;

delay(2000);


CCP1CONbits.DC1B0 = 0;

CCP1CONbits.DC1B1 = 1;

CCPR1L = 0x25;

delay(2000);



    }
}
```