

```
#include <lpc21xx.h>

void delay(unsigned int itime);
int main (void)
{
    IODIR0 = 0x000ff000;
    while (1)
    {
        IOSET0=0x000ff000;
        delay(1000);
        IOCLR0=0x000ff000;
        delay(1000);
    }

}

void delay(unsigned int itime)
{
    T0PR=4999;
    T0MR0=100; // Count in match register
    T0TC=0x00000000; // initial value always starts with Zero
    T0TCR=0X01; //START TIMER
    while (T0TC !=T0MR0); // Wait till T0TC value becomes equal to T0MR0
    T0TCR=0X02; //STOP TIMER
}
```