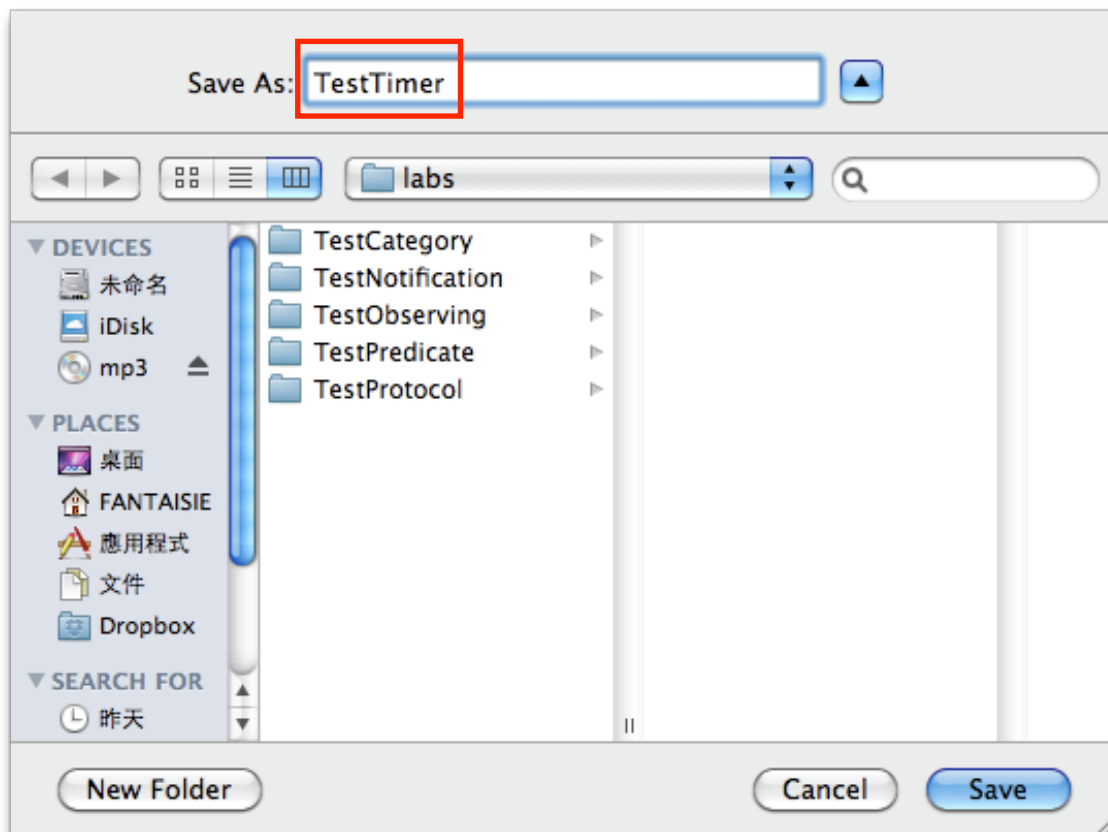
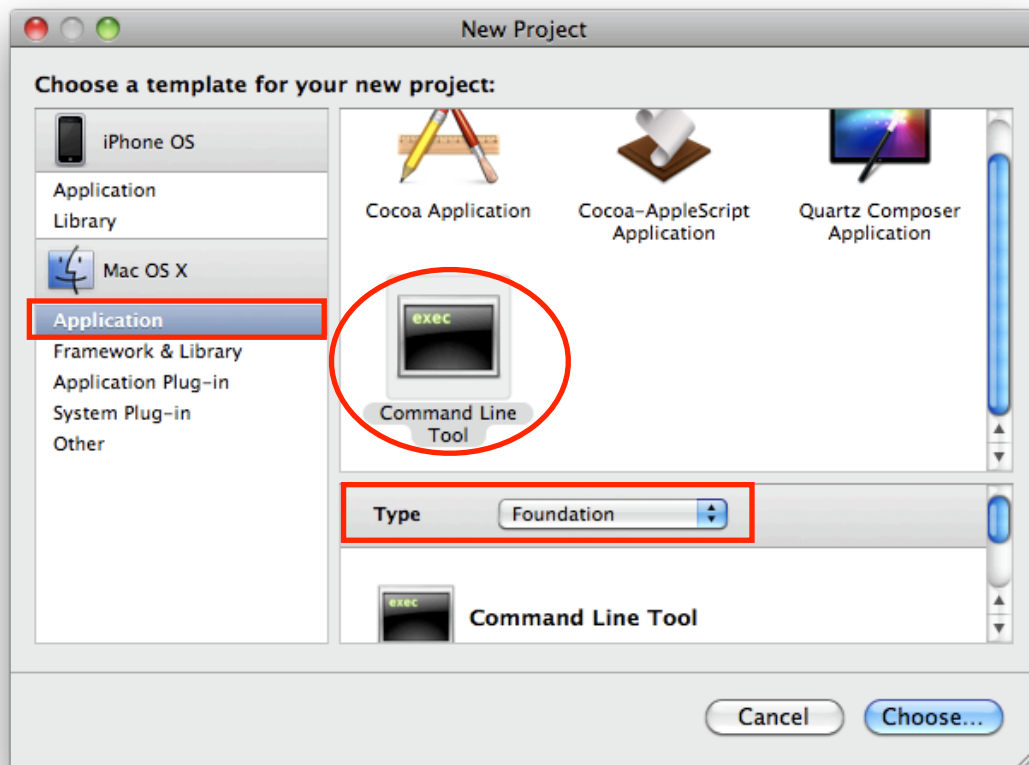
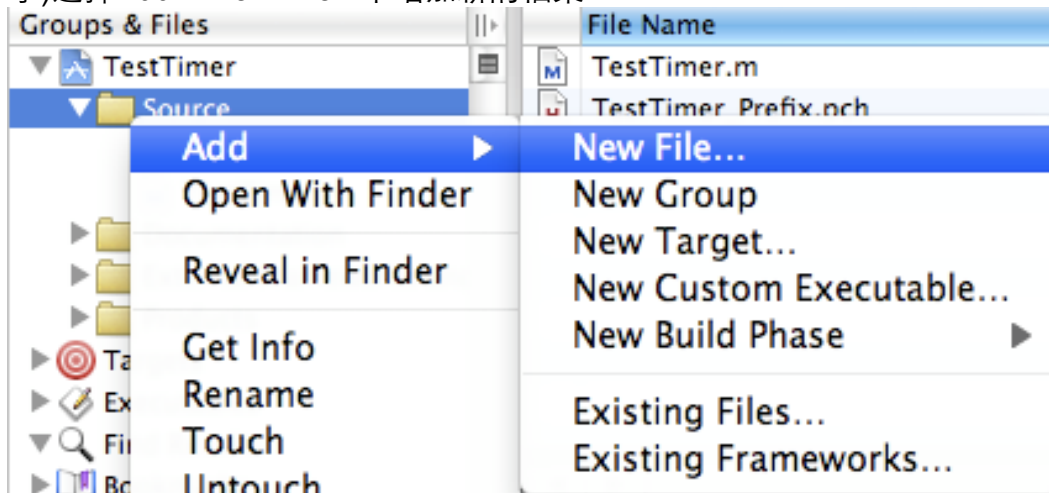


# Lab TestTimer

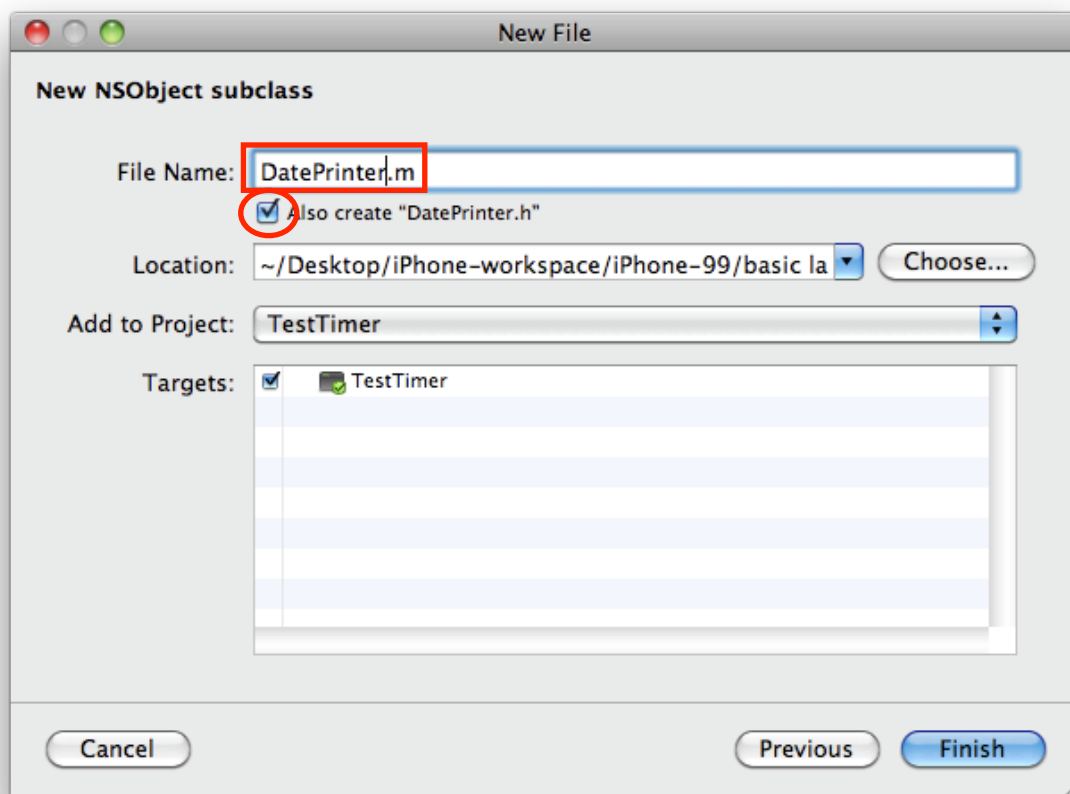
Step1. 在File開啓一個新的project, 選擇 MAC OS X的Command line Tool, Type選擇 Foundation, 將project命名為 TestTimer



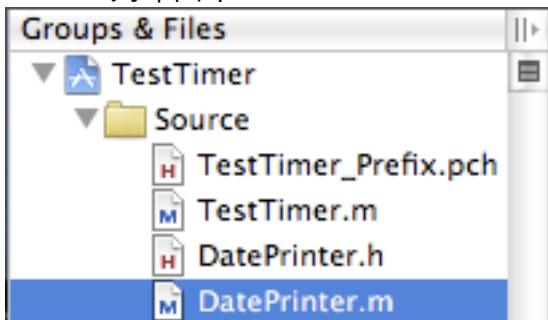
Step2. 在Xcode左邊Groups & Files 視窗中, 在Source這個路徑下點右鍵(若無滑鼠ctrl+點擊)選擇Add > New File...來增加新的檔案



Step3. 將新增的subclass的File命名為DatePrinter.m, 記得勾選Also create "DatePrinter.h"



Step4. 在Xcode左邊Groups & Files 視窗中,開啓Source > DatePrinter.m  
並加入一個method叫做showDateTime:, 主要是把目前的時間依照hour, minute, second的  
Format列印出來



```
#import "DatePrinter.h"
```

```
@implementation DatePrinter
```

```
-(void)showDateTime:(id) sender{
    NSDate *now = [NSDate date];
    NSDateFormatter *dateFormatter = [[NSDateFormatter alloc] init];
    [dateFormatter setDateFormat:@"%h:mm:ss"];
    NSLog(@"%@", [dateFormatter stringFromDate:now]);
}
```

```
@end
```

Step5. 開啓TestTimer.m, 首先先 `#import "DatePrinter.h"` ,並將印出Hello, World!這行  
Mark掉, 並new一個datePrinter, 然後使用NSRunLoop在while迴圈裡去trigger並執行  
NSTimer裡的Target的showDateTime:的結果

```
#import <Foundation/Foundation.h>
#import "DatePrinter.h"

int main (int argc, const char * argv[]) {
    NSAutoreleasePool * pool = [[NSAutoreleasePool alloc] init];

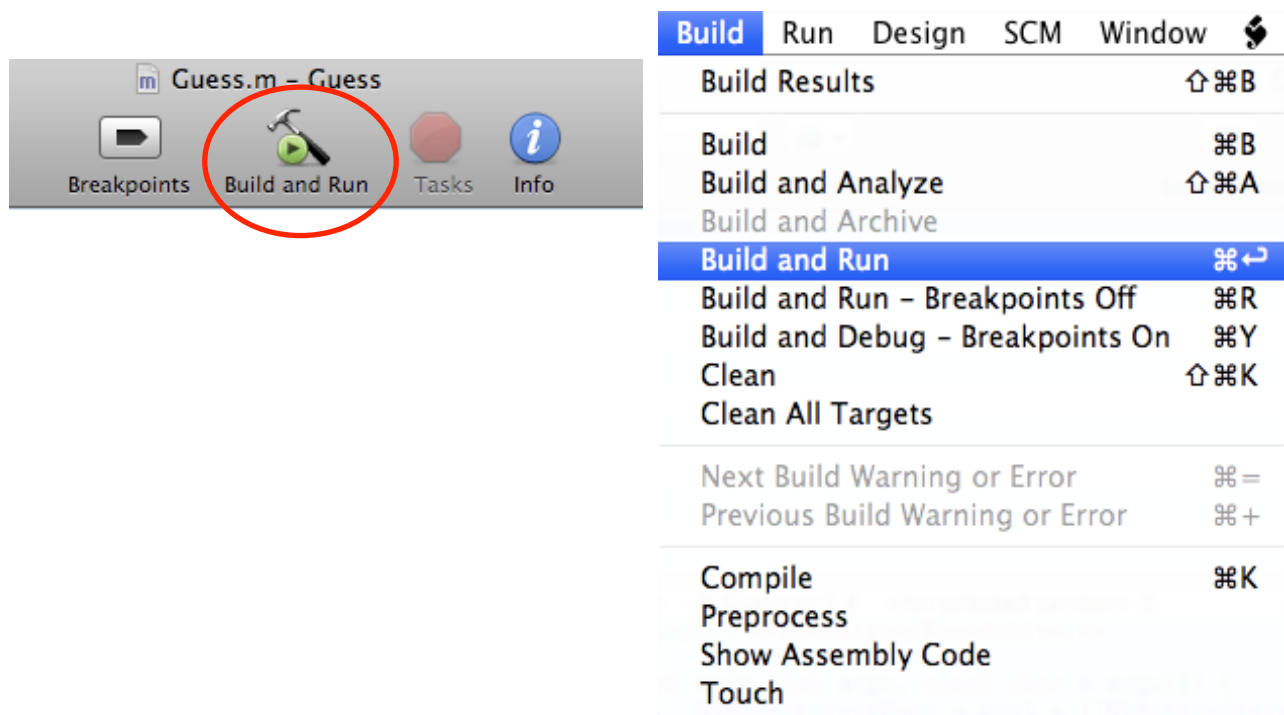
    // insert code here...
    //NSLog(@"Hello, World!");
    DatePrinter * datePrinter = [DatePrinter new];
    NSRunLoop* myRunLoop = [NSRunLoop currentRunLoop];

    [NSTimer scheduledTimerWithTimeInterval:1.0 target:datePrinter
    selector:@selector(showDateTime:) userInfo:nil repeats:YES];

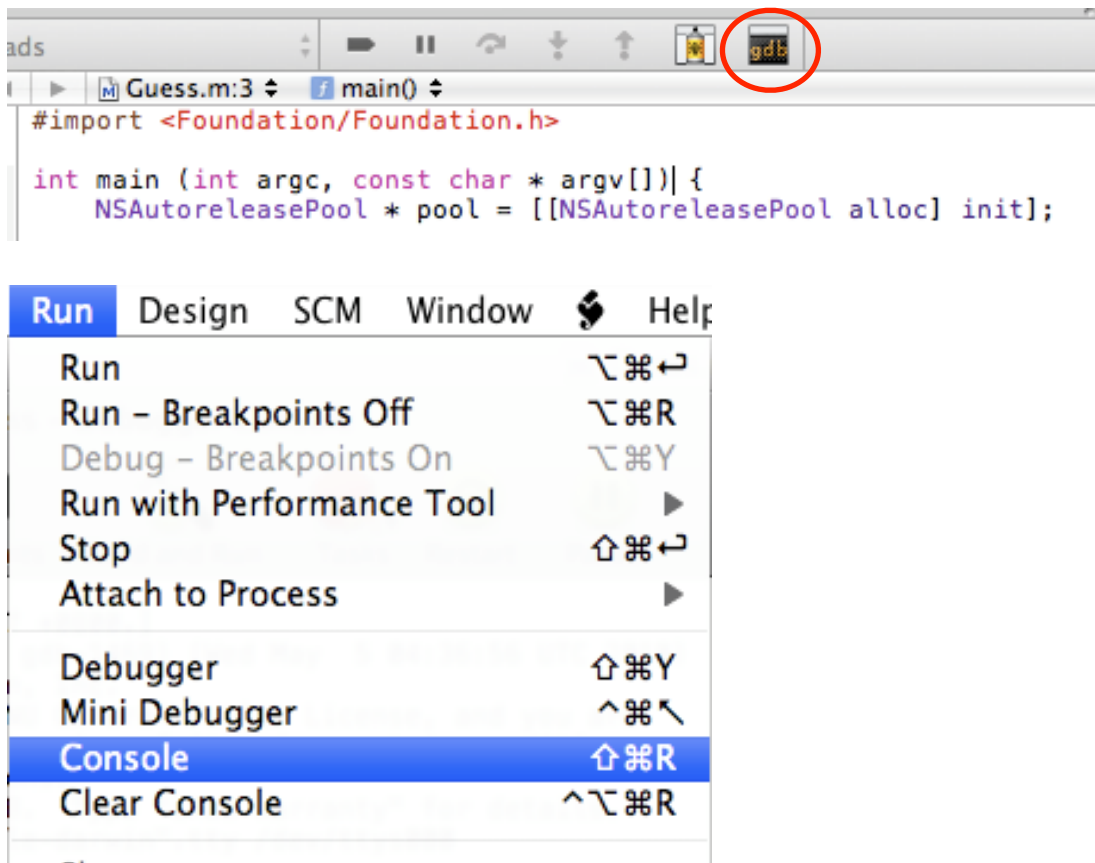
    do
    {
        [myRunLoop runUntilDate:[NSDate date]];
    }
    while (1);
    [pool drain];
    return 0;
}
```

Step6. Build and Run (Command + enter)

在Xcode主頁上按下Build and Run, 或是在Build > Build and Run, 即開始Build code並執行.



可在瀏覽程式視窗上方的 gdb 按下來開啓console, 或是在Run > Console來開啓.



在Console中顯示每個一秒的時間即會列印一次目前時間,如時鐘般的功能

