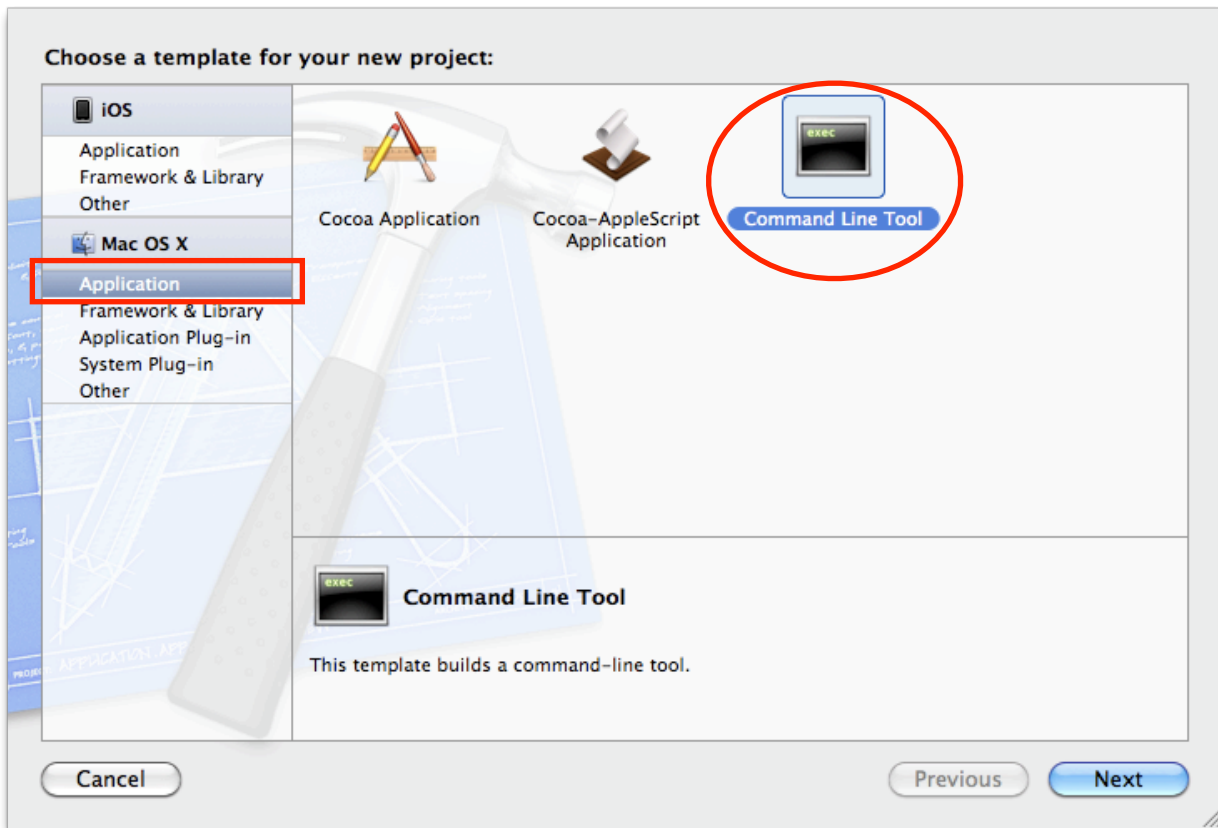
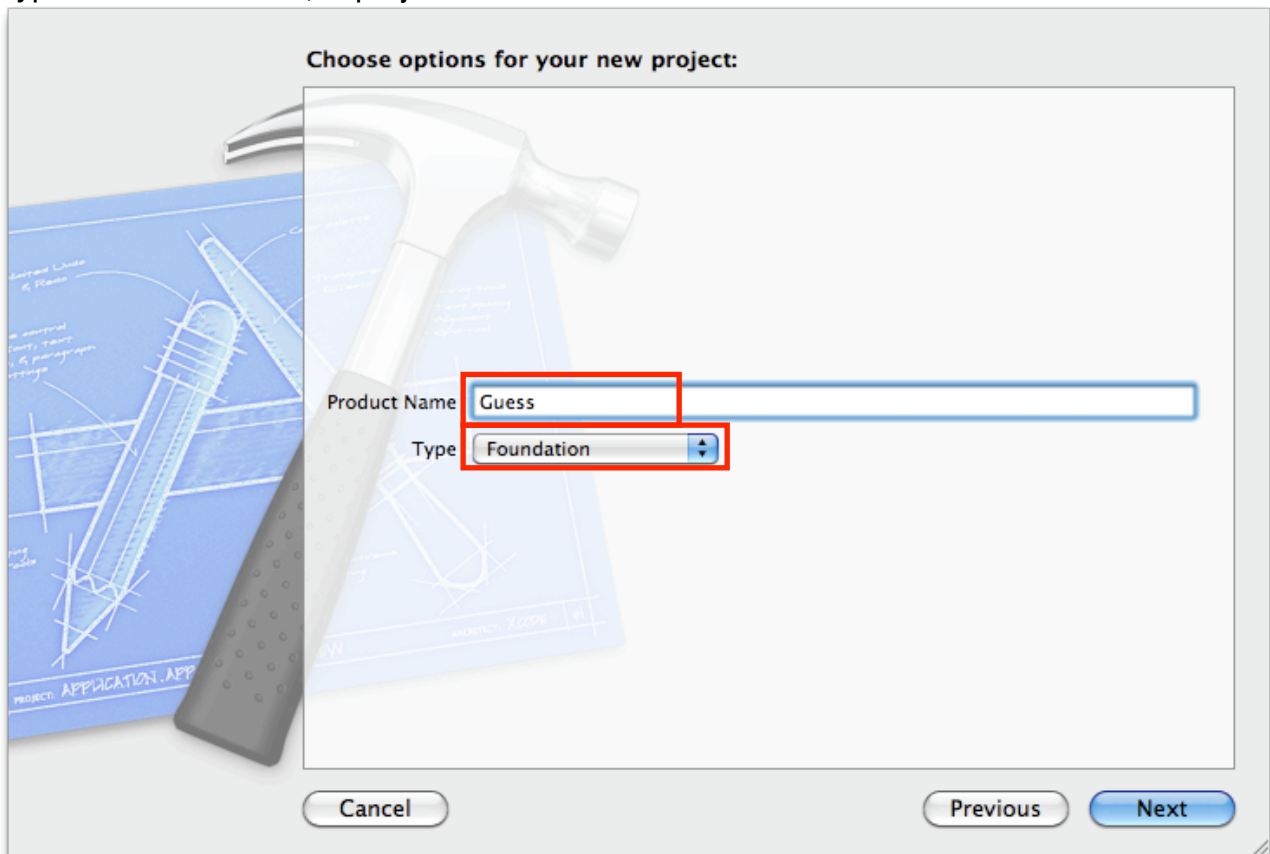


Lab Guess

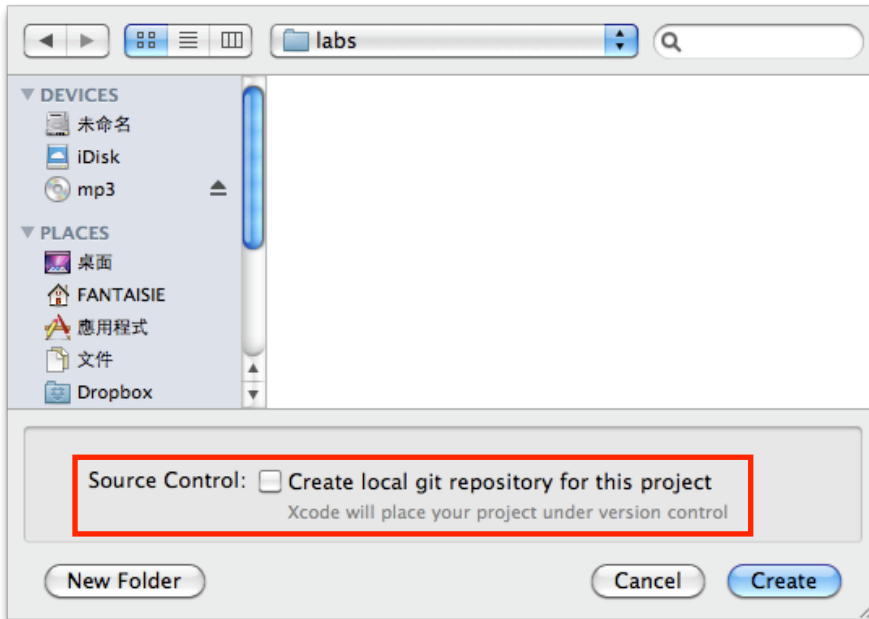
Step 1. 在File > New > New Project開啓一個新的project, 選擇MAC OS X的Application目錄裡的 **Command Line Tool**



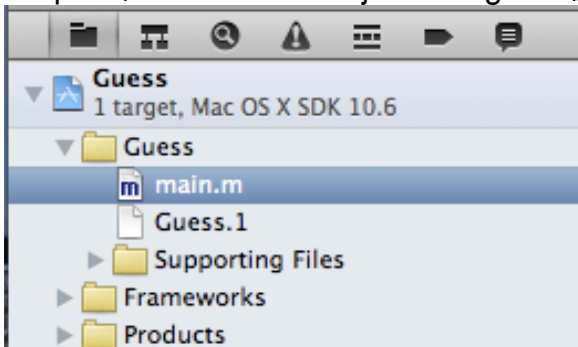
Type選擇**Foundation**, 將project命名為 **Guess**



在此我們不做version control的動作,所以不勾選Create local git repository for this project



Step 2. 在Xcode左邊 Project Navigator 視窗中,開啓 **main.m**



在main.m中,將印出Hello, World!!這行Mark掉,加入以下的程式做一個猜一位數字的遊戲
當輸入的值為9時,遊戲結束,.if(scanf("%d", &a)==1) 代表判斷輸入的值是否為數字
while(getchar()!='\n'); 代表清除scanf的buffer等待下次輸入的值

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

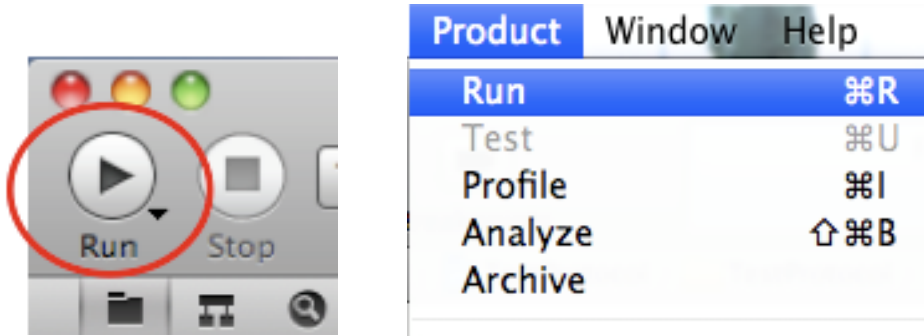
```
int main (int argc, const char * argv[]) {
    NSAutoreleasePool * pool = [[NSAutoreleasePool alloc] init];

    // insert code here...
    //NSLog(@"Hello, World!");

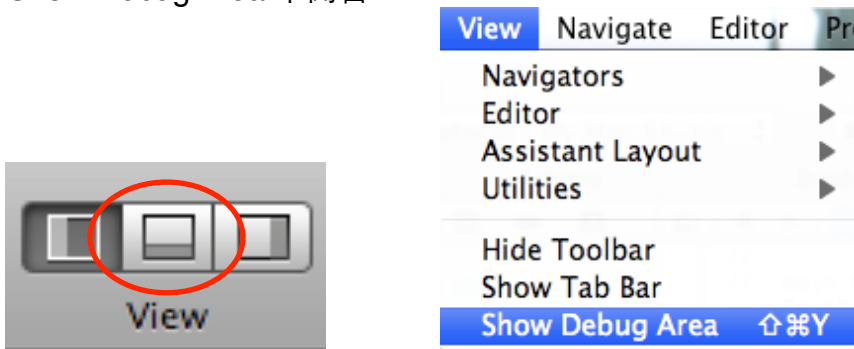
    int a;
    while(a!=9){
        printf("Guess an one-number integer: ");
        if(scanf("%d", &a)==1)
            printf("You inserted: %d\n", a);
        else
            printf("Not a integer\n");
        while(getchar()!='\n'); //Clean buffer
    };
    printf("Correct! Game finished\n");
    [pool drain];
    return 0;
}
```

Step 3. Run (⌘+R)

在Xcode主頁左上角按下Run, 或是在Product > Run, 即開始Build code並執行



之後會自動開啓console, 沒開啓的話在右上角View點擊中間的Button, 或是選擇View > Show Debug Area 來開啓



在Console中在Guess an on-number integer後面來開始輸入猜測的整數,若輸入的值不為數字,則會跳出Not a integer字串並可在輸入猜測的整數,直到數入的值為9,遊戲結束

```
All Output ↑ Clear [Icons]
GNU gdb 6.3.50-20050815 (Apple version gdb-1518) (Sat Feb 12 02:52:12 UTC 2011)
Copyright 2004 Free Software Foundation, Inc.
GDB is free software, covered by the GNU General Public License, and you are
welcome to change it and/or distribute copies of it under certain conditions.
Type "show copying" to see the conditions.
There is absolutely no warranty for GDB.  Type "show warranty" for details.
This GDB was configured as "x86_64-apple-darwin".tty /dev/ttys000
[Switching to process 1347 thread 0x0]
Guess an one-number integer: 5
You inserted: 5
Guess an one-number integer: w
Not a integer
Guess an one-number integer: 7
You inserted: 7
Guess an one-number integer: 9
You inserted: 9
Correct! Game finished
Program ended with exit code: 0|
```