

Homework 2

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1.1 Explain each single line of the code

See the note in the code for detail. Not stated here because the 1 page limit.

The sequence: The project start at the main function,

at the line `int p = myFunction(10);`

the project jumped to myfuction, assign 10 to n,

initinals i,j,t,k.

start the for loop until $k > 11$.

j is returned to p,

p is printed out in the screen.

1.2 the mistakes corrected:

- `#include "stdafx.h"` for windows, which describes both standard system and project specific include files.
- The `myFunction(int n)` should be defined before the main function.
- The `myFunction(int n)` return a int type parameter, not a double type, so the double should be changed into int.
- The `myFunction(int n)`, return a int type parameter, not a unsigned int, so the unsigned int should be changed into int.

1.3 The overall functionality:

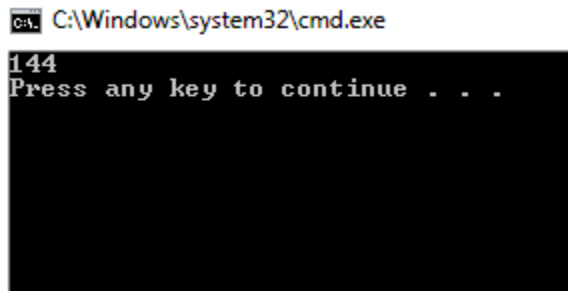
$F[0]=1$

$F[1]=1$

$F[i]=F[i-1]+F[i-2]$

The name is **Fibonacci number**.

1.4 p=144



```
C:\Windows\system32\cmd.exe
144
Press any key to continue . . .
```