

Fibonacci without recursion

```
#include<stdio.h>

int main()
{
    int n1=0,n2=1,n3,i,num;

    printf("Number of elements:");

    scanf("%d",&num);

    printf("\n%d %d",n1,n2);

    for(i=2; i < num; ++i)
    {
        n3=n1+n2;

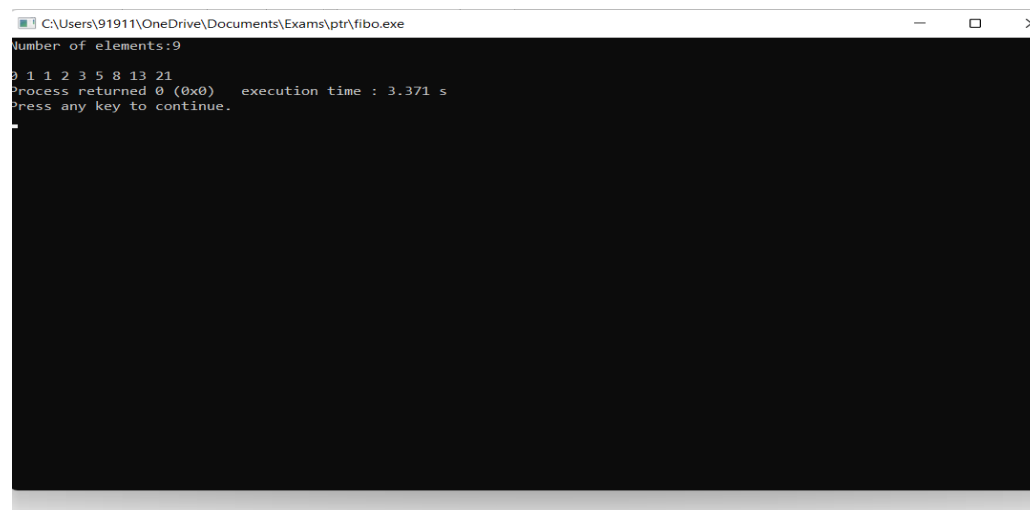
        printf(" %d",n3);

        n1=n2;

        n2=n3;
    }

    return 0;
}
```

Output:



The screenshot shows a Windows command prompt window titled "C:\Users\91911\OneDrive\Documents\Exams\ptr\fibonacci.exe". The output of the program is displayed as follows:

```
Number of elements:9
0 1 1 2 3 5 8 13 21
Process returned 0 (0x0)   execution time : 3.371 s
Press any key to continue.
```