

6.fibonacci with recursion :-

```
#include<stdio.h>

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

    printf("Enter the number of elements:");

    scanf("%d",&number);

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

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

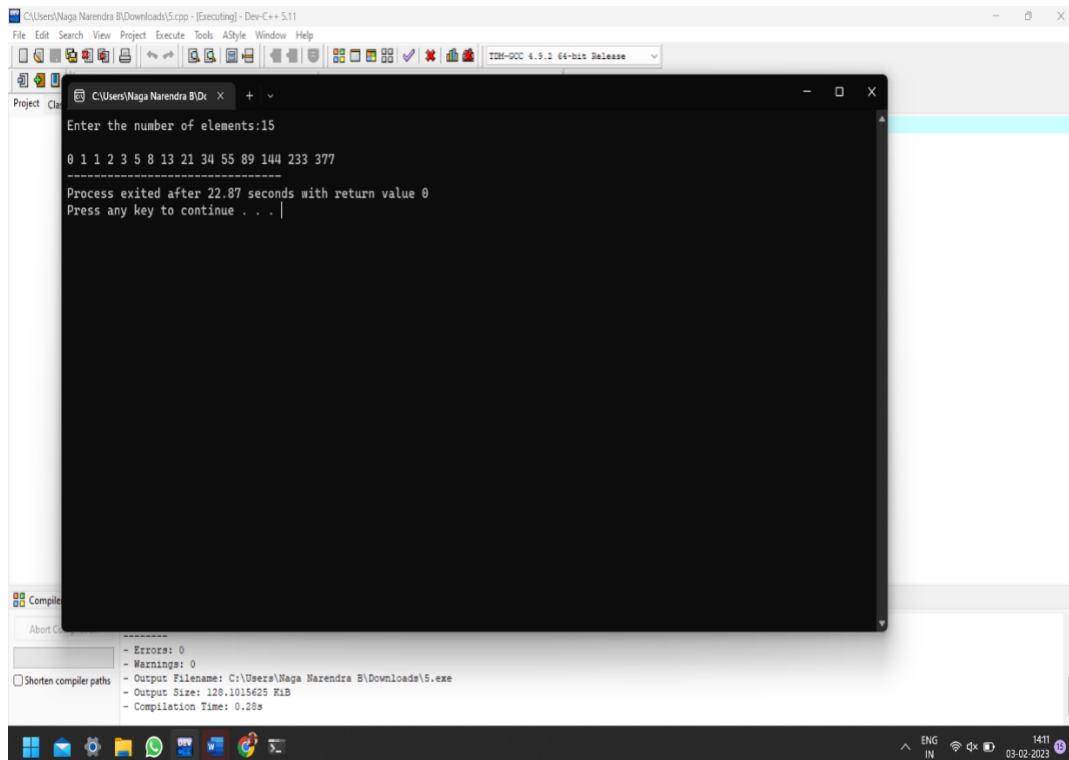
        printf(" %d",n3);

        n1=n2;

        n2=n3;
    }

    return 0;
}
```

output :-



The screenshot shows a C++ IDE window titled "C:\Users\Naga Narendra B\Downloads\5.cpp - [Executing] - Dev-C++ 5.11". The console output is as follows:

```
Enter the number of elements:15
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377
-----
Process exited after 22.87 seconds with return value 0
Press any key to continue . . .
```

At the bottom of the IDE, the compilation details are shown:

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Naga Narendra B\Downloads\5.exe
- Output Size: 128.1015625 KiB
- Compilation Time: 0.28s
```