Practical 3: Write a program to generate Fibonacci series using recursion.

```
#include"iostream"

using namespace std;

int y;

int rec(int x);

int main()

{

        cout<<" Enter Limit : ";

        cin>>y;

        for(int i=0;i<y;i++)

                cout<<" ,"<<rec(i);

        return 0;

}

int rec(int x)

{

        if(x==0)

                return 0;

        else if(x==1)

                return 1;

        else

                return (rec(x-2)+rec(x-1));

}
```
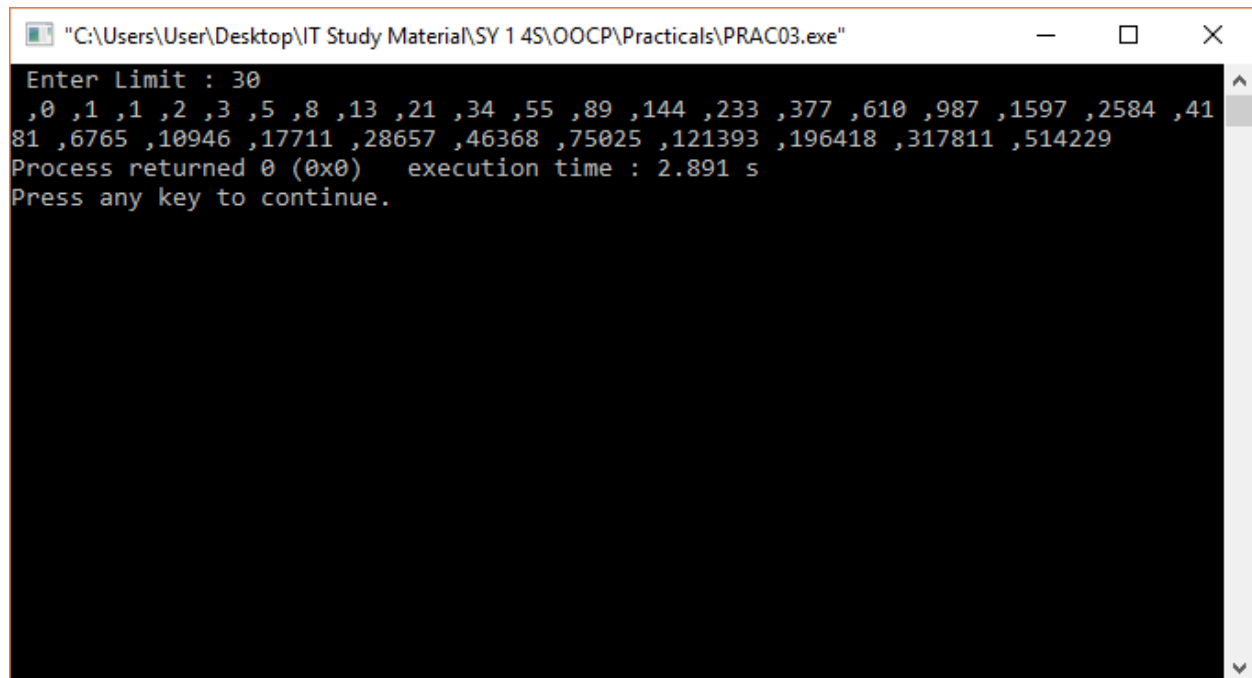
"C:\Users\User\Desktop\IT Study Material\SY 1 4S\OOCP\Practicals\PRAC03.exe"   —   □   ✕

```
Enter Limit : 30
 ,0 ,1 ,1 ,2 ,3 ,5 ,8 ,13 ,21 ,34 ,55 ,89 ,144 ,233 ,377 ,610 ,987 ,1597 ,2584 ,41
81 ,6765 ,10946 ,17711 ,28657 ,46368 ,75025 ,121393 ,196418 ,317811 ,514229
Process returned 0 (0x0)    execution time : 2.891 s
Press any key to continue.
```