

Write a program to do the process of Fibonacci series and factorial no

```
import java.util.Scanner;

abstract class abs_Demo {

    Scanner sc=new Scanner(System.in);

    public void factorial()
    {
        //System.out.println("Hi from demo method");
        int n,fact=1;
        System.out.print("\nEnter a number \n");
        n=sc.nextInt();

        for(int i=1;i<=n;i++)
        {
            fact=fact*i;
        }
        System.out.print("factorial of "+n+" is:"+fact);
    }

    public abstract void fibonacci();
}

public class abstrac extends abs_Demo {
    public static void main(String[] args) {

        abstrac obj=new abstrac();
        obj.fibonacci();
        obj.factorial();
    }

    @Override
    public void fibonacci() {
        // TODO Auto-generated method stub
        int no,a=0,b=1,c;
        System.out.print("Enter number \n");
        //Scanner sc=new Scanner(System.in);
        no=sc.nextInt();
        for(int i=1;i<=no;i++) {

            System.out.print( a+" ");
            c=a+b;
            a=b;
            b=c;
        }
    }
}
```

Output:

```
<terminated> abstrac [Java Application] C:\Program Files\Java\jre1.8.0_101\bin\javaw.exe
Enter number
8
0 1 1 2 3 5 8 13
Enter a number
5
factorial of 5 is:120
```