

Exp3e

```
import java.util.Scanner;
```

```
class A
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        int a=0;
```

```
        int b=1;
```

```
        int c,i;
```

```
        System.out.println("Enter a number");
```

```
        Scanner sc=new Scanner(System.in);
```

```
        int n=sc.nextInt();
```

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

```
        for(i=2;i<=n;++i)
```

```
        {
```

```
            c=a+b;
```

```
            System.out.print(" "+c);
```

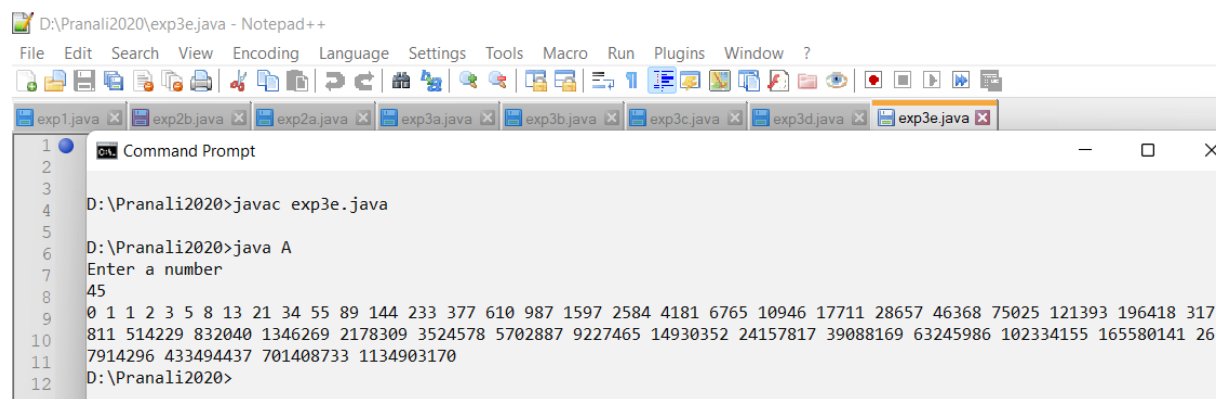
```
            a=b;
```

```
            b=c;
```

```
        }
```

```
    }
```

Output:



The screenshot shows a Notepad++ window with the file path D:\Pranali2020\exp3e.java. The menu bar includes File, Edit, Search, View, Encoding, Language, Settings, Tools, Macro, Run, Plugins, Window, and ?. The toolbar contains various icons for file operations and development tools. The tab bar shows several open files: exp1.java, exp2b.java, exp2a.java, exp3a.java, exp3b.java, exp3c.java, exp3d.java, and exp3e.java. The main text area displays a Java program that calculates the Fibonacci sequence. Below the code, a Command Prompt window is open, showing the execution of the program. The user enters '45' as the number of terms, and the program outputs the first 45 terms of the Fibonacci sequence: 0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946 17711 28657 46368 75025 121393 196418 317811 514229 832040 1346269 2178309 3524578 5702887 9227465 14930352 24157817 39088169 63245986 102334155 165580141 267914296 433494437 701408733 1134903170.

```
D:\Pranali2020\exp3e.java - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
exp1.java exp2b.java exp2a.java exp3a.java exp3b.java exp3c.java exp3d.java exp3e.java
1 Command Prompt
2
3 D:\Pranali2020>javac exp3e.java
4
5 D:\Pranali2020>java A
6 Enter a number
7 45
8 0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946 17711 28657 46368 75025 121393 196418 317
9 811 514229 832040 1346269 2178309 3524578 5702887 9227465 14930352 24157817 39088169 63245986 102334155 165580141 26
10 7914296 433494437 701408733 1134903170
11 D:\Pranali2020>
```