

```
AccountGenerator.java *main.java ×
1 package dj;
2 public class main {
3
4     public static class Linear {
5         public static double factorial(double n) {
6             if (n <= 1) {
7                 return 1;
8             }
9             return n * factorial(n - 1);
10        }
11
12        public static void main(String[] args) {
13            double d = 5.0;
14            double result = factorial(d);
15            System.out.println("Factorial [" + result + "] of [" + d + "]");
16        }
17    }
18
19    public static class NonLinear {
20        public static double fibonacci(double n) {
21            if (n < 2) {
22                return n;
23            }
24            return fibonacci(n - 1) + fibonacci(n - 2);
25        }
26
27        public static void main(String[] args) {
28            double d:
```

```
Console ×
<terminated> main.Linear [Java Application] C:\Users\MAITHREYEE\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.2.v20240802-1626\jre\bin\javaw.exe (21 Aug 2024, 2:43:37 pm - 2:43:37 pm) [pid: 14700]
Factorial [120.0] of [5.0]
```