**Function Return Types**

The return type of a method may be a function.

Example:

**package returningfunctions;**

**import java.util.function.IntFunction;**

**public class ReturnFunction {**

**public static IntFunction addN(int n) {**

**return x -> x + n;**

**}**

**public static IntFunction multN(int n) {**

**return x -> x \* n;**

**}**

**public static IntFunction scaleInc(int s, int i) {**

**return x -> s \* x + i;**

**}**

**public static void main(String[] args) {**

**System.out.println(addN(2).apply(10));**

**System.out.println(addN(3).apply(10));**

**System.out.println(multN(2).apply(10));**

**System.out.println(multN(3).apply(10));**

**System.out.println(scaleInc(4, 5).apply(10));**

**IntFunction tenten = scaleInc(10, 10);**

**System.out.println(tenten.apply(30));**

**}**

**}**