

Project Explorer X

- ▼ HelloWorldProj [HelloWorldProj master]
 - ▼ JRE System Library [JavaSE-17]
 - ▼ src
 - > (default package)
 - assignment1_d4
 - assignment1_d5
 - assignment2_d4
 - ▼ day_7
 - Flatmap.java
 - MapDemo.java
 - Person.java
 - StreamDemo.java
 - TesterMethodRefAssignment.java
 - day4
 - day5
 - ▼ day6_collections
 - Account.java
 - AccountHolder.java
 - AccountTester.java
 - ArrayListAssignment.java
 - CollectionsDemo.java
 - Employee.java
 - FilterDemo.java
 - GenericList.java
 - HashMapDemo.java
 - HashSetDemo.java
 - LinkedHashSetDemo.java
 - ThreadDemo.java
 - TreeSetDemo.java
 - VectorDemo.java
 - WrapperDemo.java
 - day6_gui
 - Design
 - material
 - stock
 - ▼ JDBC_Demo [JDBC_Demo master]

Flatmap.java StreamDemo.java MapDemo.java TesterMethodRefAssignment.j...

```
1 package day_7;
2
3 @FunctionalInterface
4 interface MethodRefInterface {
5     Person getPerson(String name, int age);
6 }
7
8 public class TesterMethodRefAssignment {
9     public static void main(String[] args) {
10         MethodRefInterface obj = Person::new;
11         System.out.println(obj.getPerson("Rajarshi", 22));
12     }
13 }
14
```

Person.java X

```
3 private String name;
4 private int age;
5
6 public Person(String name, int age) {
7     super();
8     this.name = name;
9     this.age = age;
10 }
11
12 public String getName() {
13     return name;
14 }
15
16 public void setName(String name) {
17     this.name = name;
18 }
19
20 public Integer getAge() {
21     return age;
22 }
23
24 public void setAge(int age) {
25     this.age = age;
26 }
27
28 @Override
29 public String toString() {
30     return "Person [name=" + name + ", age=" + age + "]";
31 }
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console X Error Log

<terminated> TesterMethodRefAssignment [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (05-Feb-2023, 11:13:01 pm - 11:13:01 pm) [pid: 16388]

Person [name=Rajarshi, age=22]

Writable

Smart Insert

14:1:306

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FuncInterfaceTester.java

```
1 package day_7;
2
3 @FunctionalInterface
4 interface FuncInterface {
5     abstract int cube(int a);
6
7     default int square(int a) {
8         return a * a;
9     }
10
11     default int add(int i, int j) {
12         return i + j;
13     }
14
15     static int sub(int i, int j) {
16         return i - j;
17     }
18
19     static int mul(int i, int j) {
20         return i * j;
21     }
22
23     static double div(int i, int j) {
24         return i / j;
25     }
26 }
27
28 public class FuncInterfaceTester {
29     public static void main(String[] args) {
30         FuncInterface obj = (int a) -> a * a * a;
31
32         System.out.println("cube = " + obj.cube(5));
33         System.out.println("square = " + obj.square(6));
34         System.out.println("add = " + obj.add(2, 4));
35         System.out.println("sub = " + FuncInterface.sub(23, 6));
36         System.out.println("mul = " + FuncInterface.mul(3, 7));
37         System.out.println("div = " + FuncInterface.div(4, 2));
38     }
39 }
```

Console

```
<terminated> FuncInterfaceTester [Java Application] C:\Program Files\J
cube = 125
square = 36
add = 6
sub = 17
mul = 21
div = 2.0
```

Markers Properties Servers Data Source Explorer Snippets Terminal Error Log

Workspace Log

type filter text

Writable

Smart Insert

37: 52: 820