

```
4. public class ConstructorDemo {  
    public static void main(String[] args) {  
        Person person1 = new Person("John", 25);  
        Person person2 = new Person("Mary");  
        System.out.println("Person 1: " + person1.getName() + ", " + person1.getAge());  
        System.out.println("Person 2: " + person2.getName() + ", " + person2.getAge());  
    }  
}
```

```
class Person {  
    private String name;  
    private int age;  
  
    public Person(String name, int age) {  
        this.name = name;  
        this.age = age;  
    }
```

```
    public Person(String name) {  
        this.name = name;  
        this.age = 0;  
    }
```

```
    public String getName() {  
        return name;  
    }
```

```
    public int getAge() {  
        return age;  
    }
```

```
}
```

Output:

The screenshot shows the Eclipse IDE interface. The main editor displays the source code for `ConstructorDemo.java` in the `constructortype` package. The code defines a `Person` class with private attributes `name` and `age`, and two constructors: one taking both `name` and `age`, and another taking only `name` (with `age` defaulting to 0). The `main` method creates two `Person` objects, `person1` (John, 25) and `person2` (Mary), and prints their details. The Package Explorer on the left shows the project structure, and the Outline on the right shows the class hierarchy. The Console at the bottom displays the program's output.

```
1 package constructortype;
2
3 public class ConstructorDemo {
4     public static void main(String[] args) {
5         Person person1 = new Person("John", 25);
6         Person person2 = new Person("Mary");
7         System.out.println("Person 1: " + person1.getName() + ", " + person1.getAge());
8         System.out.println("Person 2: " + person2.getName() + ", " + person2.getAge());
9     }
10 }
11
12 class Person {
13     private String name;
14     private int age;
15
16     public Person(String name, int age) {
17         this.name = name;
18         this.age = age;
19     }
20
21     public Person(String name) {
22         this.name = name;
23         this.age = 0;
24     }
25
26     public String getName() {
27         return name;
28     }
29 }
```

Console Output:

```
<terminated> ConstructorDemo [Java Application] C:\Program Files\Java\jdk-17.0.5\bin\javaw.exe (08-May-2023, 11:15:58 pm - 11:16:01 pm) [pid: 10652]
Person 1: John, 25
Person 2: Mary, 0
```