

Java → Object-oriented programming → Inheritance and polymorphism → Nested classes → Anonymous classes

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Anonymous classes → Returning values from an anonymous class

Easy 4 minutes

There is an interface `Returner`:

```
1 interface Returner {
2
3     public String returnString();
4
5     public int returnInt();
6 }
```

You should create an anonymous class that implements the interface and assign the instance to the variable `returner`. The anonymous class must override both methods of the interface. The method `returnString` should capture the string variable `str` from the context and return it, the second method should capture the integer variable `number` from the context and return it. These variables will be accessible during testing.

Use the provided code template, do not copy the given interface to the code.

Report a typo

Write a program

Code Editor IDE

Java

```
1 import java.util.Scanner;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         final Scanner scanner = new Scanner(System.in);
8         final String str = scanner.nextLine();
9         final int number = Integer.parseInt(scanner.nextLine());
10
11         Returner returner = new Returner() {
12             @Override
13             public String returnString() {
14                 return str;
15             }
16             @Override
17             public int returnInt() {
18                 return number;
19             }
20         };
21
22         System.out.println(returner.returnString());
23         System.out.println(returner.returnInt());
24     }
25 }
26
27 interface Returner {
28
29     public String returnString();
30
31     public int returnInt();
32 }
33
```

Correct, but can be improved.

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