

### [Formatter \(Java Platform SE 8 \) \(oracle.com\)](#)

In Java, you can use the `printf()` method from the `PrintStream` class or the `format()` method from the `String` class to format strings using format specifiers. Both methods allow you to format text by substituting values into predefined placeholders within the string.

Here's an example using `printf()`:

```
String name = "John";  
int age = 25;  
double salary = 5000.50;
```

```
System.out.printf("Name: %s, Age: %d, Salary: %.2f", name, age, salary);
```

In this example, the `%s`, `%d`, and `%.2f` are format specifiers that represent placeholders for string, integer, and floating-point values, respectively. The corresponding values (name, age, and salary) are passed as arguments to `printf()`, and they are substituted into the placeholders based on their types.

The output will be:

Name: John, Age: 25, Salary: 5000.50

Alternatively, you can use the `format()` method from the `String` class to achieve the same result:

```
String name = "John";  
int age = 25;  
double salary = 5000.50;
```

```
String formattedString = String.format("Name: %s, Age: %d, Salary: %.2f", name, age, salary);  
System.out.println(formattedString);
```

In this case, `String.format()` returns the formatted string, which is then printed using `println()`.

Both `printf()` and `format()` support a wide range of format specifiers, allowing you to control the formatting of various data types, including dates, numbers, and more. You can refer to the Java documentation on `Formatter` for a complete list of format specifiers and their usage.

```
package com.hdfc.var.args;  
  
import com.hdfc.collections.User;  
  
import java.util.ArrayList;  
import java.util.Date;  
import java.util.List;  
  
public class StringFormatting {  
    public static void main(String[] args) {  
        List<com.hdfc.collections.User> list = new ArrayList<>();  
        list.add(new User(1, "name-1", List.of("Pune"), new Date()));  
    }  
}
```

```
list.add(new User(2, "name-2", List.of("Pune"), new Date()));
list.add(new User(3, "name-3", List.of("Pune"), new Date()));
list.add(new User(4, "name-4", List.of("Pune"), new Date()));

for(User u : list){
    String s = String.format("My name is :%3$s and I am living in : %1$s, my id is: %2$d",
        u.getAddress().get(0), u.getId(), u.getName());
    System.out.println(s);

    String s1 = String.format("My name is :%s and I am living in : %s, my id is: %d",
        u.getName(), u.getAddress().get(0), u.getId() );
    System.out.println(s1);

    System.out.printf("My name is :%s and I am living in : %s, my id is: %d",
        u.getName(), u.getAddress().get(0), u.getId());
}
}
```