

printf

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Before We Begin

- Make sure you have Java & Java JDK downloaded on your computer
 - can run **java -version** in terminal to check
- Make sure you have IntelliJ downloaded on your computer
- *Suggested:* Watch previous Java tutorials

printf Syntax

can include placeholder, width,
alignment, and precision information

```
System.out.printf("format string", parameters);
```

can be as many parameters as
you have included as
placeholders in the format string

Reminder: Escape Sequences

`\t` - tab character

`\n` - new line character

`\\` - a `\` character, always requires 2 to print a single `\` character

`\"` - quotation, need the slash so that program doesn't think you're ending what you're trying to print

printf Placeholders

%d - integer

%f - real number (double)

%s - String

printf Width and Alignment

%Wd - integer, W characters wide, right-aligned

%-Wd - integer, W characters wide, left-aligned

printf Double Precision

%.Df - real number, rounded to D digits after decimal

%W.Df - real number, W chars wide, D digits after decimal

- width includes the digits after the decimal

%-W.Df - real number, W wide (left-align), D after decimal

Printf Examples

The End