Java Basics Tutorial

Exercises for Part 1: Getting Started with Java Coding

Free Code Lessons

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Problem: Print "Hello Java"

- Write a Java program, which:

  - Prints "**Hello Java**" on the console

```
Console   Shell

▸ javac -classpath .:/run_dir/junit-4.12.jar:target/dependency/* -d . Main.java
▸ java -classpath .:/run_dir/junit-4.12.jar:target/dependency/* Main
Hello Java
▸ █
```

  - Submit your solution in the SoftUni judge:

    https://judge.softuni.org/Contests/Practice/Index/3250

Problem: Calculate and Print 5 * 5

- Write a Java program, which:
  - Calculates the value of **5 * 5**
  - Prints the result at the console

```
> java -classpath . Main
25
>
```

- Submit your solution in the SoftUni judge:
  https://judge.softuni.org/Contests/Practice/Index/3250

Problem: Name and Expression

- Write a program to print your **name** at the first line and calculate and print the expression **5 + 3** at the second line

- The expected **output** from your program might look like this:

```
Maria
8
```

```
java -classpath .
Maria
8
```

- Another example of valid **output**:

```
Peter
8
```

```
java -classpath .
Peter
8
```

Problem: Calculations

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- Write a program, which **calculates** and prints the value of the following expressions:

  - **5 + 3 * 2**

  - **4 * (2 + 3)**

  - **(2 + 5) * (8 - 2) / 7**

```
> java -classpath .:/run_dir/junit-4.12.jar:target/dependency/* Main
11
20
6
>
```

- Write a program, which:

  - Prints a **square of 7 * 7 stars** like this:

Problem: EUR to USD Converter

- Write a Java program, which converts from **USD** to **EUR**

  - Assume the EUR/USD rate is fixed: **1.17** USD for 1 EUR

  - Sample input: `5`

  - Sample output: `USD = 5.85`

```
> java -classpath .
5
USD = 5.85
>
```

Next Steps

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