

Java module 1

Exercises Day 5

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| 1.1 - printf | Format the output |
| Instructions | <p>Based on these variables</p> <pre>int quarter = 1; int year = 2023; double revenue = 1234567.89; double percentageChange = -2.5;</pre> <p>Print this result: Q1 2023 Revenue: \$1,234,567.89 Change: -2.5%</p> |
| Expected output | Q1 2023 Revenue: \$1,234,567.89 Change: -2.5% |

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| 1.2 - println | ANSI escape Codes |
| Instructions | <p>output in one System.out.println():</p> <p><i>I'm magenta</i> I'm bold <i>I'm italic</i></p> |
| Expected output | <p><i>I'm magenta</i> I'm bold <i>I'm italic</i></p> |

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| 2.1 - ternary | if-else and ternary |
| Instructions | <p>If int a is greater than int b, int max will be assigned the value of a; otherwise, max will be assigned the value of b. This example prints, "The maximum value is 10."</p> <p>Write two versions of the program, one with if - else and another one with a ternary operation.</p> |
| Expected output | <p>"The maximum value is 10." "The maximum value is 10."</p> |

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| 2.2 - ternary | Math.abs(), if-else and ternary |
| Instructions | The program will add two integers and will apply the absolute (always positive) to the result. |

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| | Write three versions of the program. The first one uses the function Math.abs(), the second one uses if-else and the third one a ternary operation. |
| Expected output | Enter number 1: >>>-5 Enter number 2: >>>3 Math.abs(): The positive sum of -5 and 3 is 2 if - else: The positive sum of -5 and 3 is 2 Ternary operation: The positive sum of -5 and 3 is 2 |

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| 2.3 - ternary | if-else and ternary |
| Instructions | Finds the largest of three numbers. It first checks if a is greater than b and then compares the greater with c to find the largest number. This prints "The largest number is 20". Write two versions of the program, one with if - else and another one with ternary operations. |
| Expected output | "The largest number is 20" "The largest number is 20" |