Java module 1

Exercises Day 5

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

| 1.2 - println | ANSI escape Codes |
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| Instructions | output in one System.out.println():  I’m magenta  **I’m bold**  *I’m italic* |
| Expected output | I’m magenta  **I’m bold**  *I’m italic* |

| 2.1 - ternary | if-else and ternary |
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| Instructions | 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.“  Write two versions of the program, one with if - else and another one with a ternary operation.  public class Ex21 {  public static void main(String[] args) {  int a = 10, b = 5;  continue the code… |
| Expected output | The maximum value is 10. |

| 2.2 - ternary | Math.abs(), if-else and ternary |
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| Instructions | The program will add two integers and will apply the absolute (always positive) to the result.  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  The positive sum of -5 and 3 is 2 |

| 2.3 - ternary | if-else and ternary |
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| 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.  public class Ex23 {  public static void main(String[] args) {  int a = 10, b = 20, c = 5;  int largest;  continue the code… |
| Expected output | The largest number is 20 |