**EASY:**

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| Create a program that when a user enters a number it will generate (print) a multiplication number from 1-5 | Enter a number = 3  3 \* 1 = 3  3 \* 2 = 6  3 \* 3 = 9  3 \* 4 = 12  3 \* 5 = 15 |

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| Create a program that when a user enters a number it will determine if a number is an odd or even number | Enter a number = 30  Output: Even  Enter a number 11:  Output: Odd |

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| Create a program that tells if a given dimension is a square or rectangle | Enter x: 10  Enter y: 10 Output: It’s a square  Enter x: 5 Enter y: 13 Output: It’s a rectangle |

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| Write a program that asks the user for a number n and prints the sum of the numbers 1 to n For example Enter a number: 5 Output: 15  1+2+3+4+5=15 | Enter a number: 5 Output: 15 Enter a number: 8 Output: 36 |

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| Write a program that asks the user for their name and greets them with their name  Format:  Hello “name” ! :> | Enter Name: Fox Output: Hello “Fox” ! :> |

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| Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers | Input first number: 125  Input second number: 24  Expected Output :  Sum: 149  Diff: 101  Product: 3000  Quotient: 5  Remainder: 5 |

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| Write a Java program to print the area and perimeter of a rectangle. | Width = 5.5  Height = 8.5  Area: 47.60  Perimeter: 28.20 |

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| Write a Java program to print the following string in a specific format (see the output) |  |

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| Write a Java program that accepts three integers from the user and prints equal if all four are equal, and not equal otherwise | Input first number: 10  Input second number: 10  Input third number: 10  Input fourth number: 10  Numbers are equal.  Input first number: 7  Input second number: 7  Input third number: 7  Input fourth number: 9  Numbers are not equal! |

**MEDIUM:**

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| Always starts from 0 | Number of Turns: 2  Output: 2  Number of Turns: -4  Output: 8  Number of Turns: 17  Output: 5  Number of Turns: -13  Output: 11 |

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| Create a program that prints a box based on the user’s input | Enter size: 3 \*\*\* \*\*\* \*\*\*  Enter the size: 5 \*\*\*\*\*  \*\*\*\*\*  \*\*\*\*\*  \*\*\*\*\*  \*\*\*\*\* |

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| Write a short program that prints each number from 1 to (a number that inputted by the user) on a new line.  For each multiple of 3, print "Fizz" instead of the number.  For each multiple of 5, print "Buzz" instead of the number.  For numbers which are multiples of both 3 and 5, print "FizzBuzz" instead of the number. | Enter a number: 20  1  2  fizz  4  buzz  fizz  7  8  fizz  buzz  11  fizz  13  14  fizzbuzz  16  17  fizz  19  buzz |

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| Pattern printing programs contains Star Pattern, Number Pattern and Character Pattern printing. | Enter a number: 5  Output: |

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| Create a program that accepts two integers and your task is to multiply it without using “\*” | Enter num 1: 20 Enter num 2: 5 Product: 100  Enter num1: 3  Enter num 2: 7  Product: 21 |

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| Pattern printing programs contains Star Pattern, Number Pattern and Character Pattern printing. | Enter a number 5: |

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| Pattern printing programs contains Star Pattern, Number Pattern and Character Pattern printing. | Enter a number: 5 |

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| PROBLEM Given an integer as input, can you round it to the next (meaning, "higher") 5? | input: output:  0 -> 0  2 -> 5  3 -> 5  12 -> 15  21 -> 25  30 -> 30  -2 -> 0  -5 -> -5 |

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| Write a Java program to print numbers between 1 to nth which are divisible by 3, 5 and by both | Enter a number: 100 |