

Create a new project in Eclipse called Loops Practice. Create a new class called LoopsPractice with a main method. Type up code that will accomplish the following tasks. Feel free to write methods to help you (you have to make your methods static to use them in the project)

- 1) Print the odd numbers between 1 and 100
- 2) Print the multiples of 3 from 300 down to 3 (do you know what a multiple is?)
- 3) Create two integer **CONSTANTS** named *LOW* and *HIGH*, assigning them two values of your choice. Print out the numbers between (inclusive) *LOW* and *HIGH* that are divisible by 4, but not 5.
- 4) Create an integer variable called *number* (assign it a positive value). Print out all the factors of *number*.
- 5) Read in 10 values from the user using the Prompter class. Print out the highest and the lowest numbers entered.
- 6) Calculate 12! using a loop. Print out the result.
- 7) Create an integer variable called *positive*. Use the Prompter class to ask the user for a number. If the number is negative, the program should ask for a new number. Your program should continue asking for a new number until a positive number is encountered. Your loop should end at that point and print out the positive value that was found.
- 8) Read in a sequence of values from the user (using Prompter) until the number 0 is entered. Your program should print out the product of all the numbers entered except for the last one (Duh - that was zero). For example, entering in 3, 5, 6, 0 would have an output of 90.