

Lab Assignment 7

Exercise on Methods:

Please go through the below mentioned link, before going with the assignment:

<https://www.youtube.com/watch?v=7MBgaF8wXls&t=304s>

Objective: Method calling from different classes

A. Problem statement: Write a program for a calculator in which there are four functions addition subtraction, multiplication and division:

Addition function: does not have any argument and won't return any value

Subtraction function: does not have any argument, but return a value

Multiplication function: It has an argument and won't return any value

Division function: It has an argument and return a value.

All these functions are available in a class name calculator and the main function is available in a class name **test** from where you call all these functions and display the result.

B. Write a program in java using static block for the following scenario:

A box of three pens has price 100/- having three pens A, B and C having price 25/-, 35/- and 40/- respectively. This price is for the year 1991. Cost price of each pen is incremented by 8% annually and selling price is incremented 12% annually. Print the cost price and selling price of each pen as well as pen box until year 1999.

Note:

1. Generate getters and setter
2. Use default constructors and/or parameterized constructs.
3. Static blocks can be used if required