



Lab 6: Recursion

Objective(s)

1- This lab aims to practice programming examples on Recursion.

Tool(s)/Software

Java programming language with NetBeans IDE.

Description:

Recursion is a programming technique that naturally implements the **divide-and-conquer** problem solving methodology.

In general:

if (stopping case)

 solve it // Base or Stopping case

else

 reduce the problem using recursion // **Recursive call**

Tasks/Assignments(s)

Given a non-negative int n, return the sum of its digits recursively (no loops).

Note that mod (%) by 10 yields the rightmost digit (126 % 10 is 6), while divide (/) by 10 removes the rightmost digit (126 / 10 is 12).

Deliverables(s)

You are required to implement and deliver a Java program as described in the previous section.