Programming Exercises - SDJ - Session 12
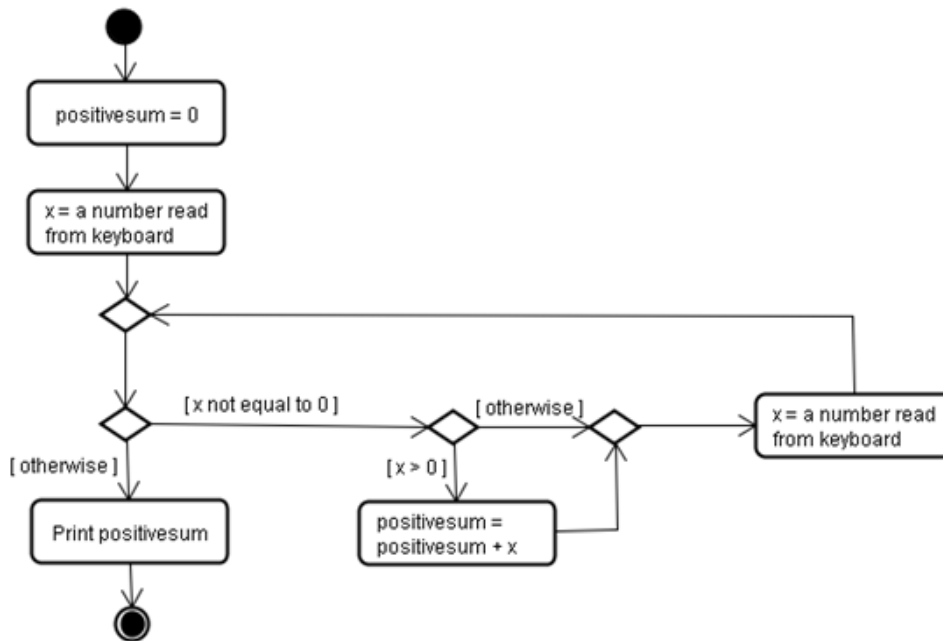
Exercise 12.01

Make activity diagrams for the following scenarios:

   a) Calculating the sum of 5 integers read from keyboard.
   b) Going to a book store to buy books, paper and pencils.
   c) The activities in an airport when you are going to buy a ticket and travel to a destination.
   d) For those who still remember it: The various activities you participated in during your first day(s) at VIA - at least the ones you are not ashamed to admit.

Exercise 12.02

Look at the UML Activity diagram below:

   a) Can you identify any selections? If yes, is it if, if-else or switch?
   b) Can you identify any loops? If yes, is it for, while or do-while?
   c) Implement the activity diagram in a main method.
   d) Make some changes to the activity diagram so that both the sum of all positive numbers and sum of all negative numbers are calculated and printed at the end.
   e) Implement these changes in a new Java program.

Exercise 12.03

Examine the two activity diagrams below. Determine the difference between them, and then implement both.