

Programming Exercises - PRO1 - Session 22

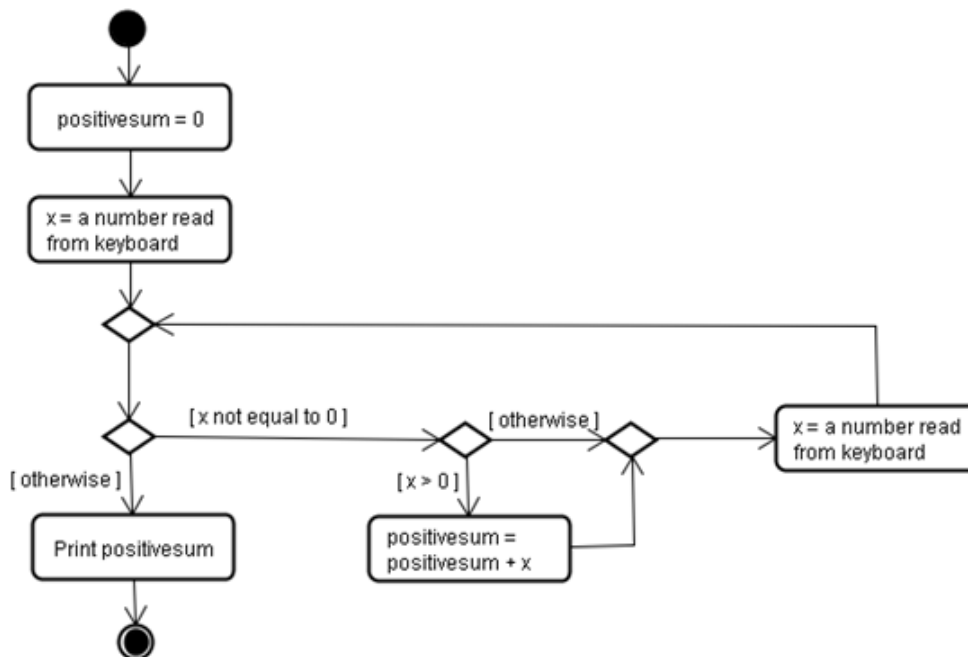
Exercise 22.01

Make activity diagrams for the following scenarios:

- Calculating the sum of 5 integers read from keyboard.
- Going to a book store to buy books, paper and pencils.
- The activities in an airport from when you arrive to leaving on your flight.
- For those who still remember it: The various activities you participated in during the introduction days at VIA.

Exercise 22.02

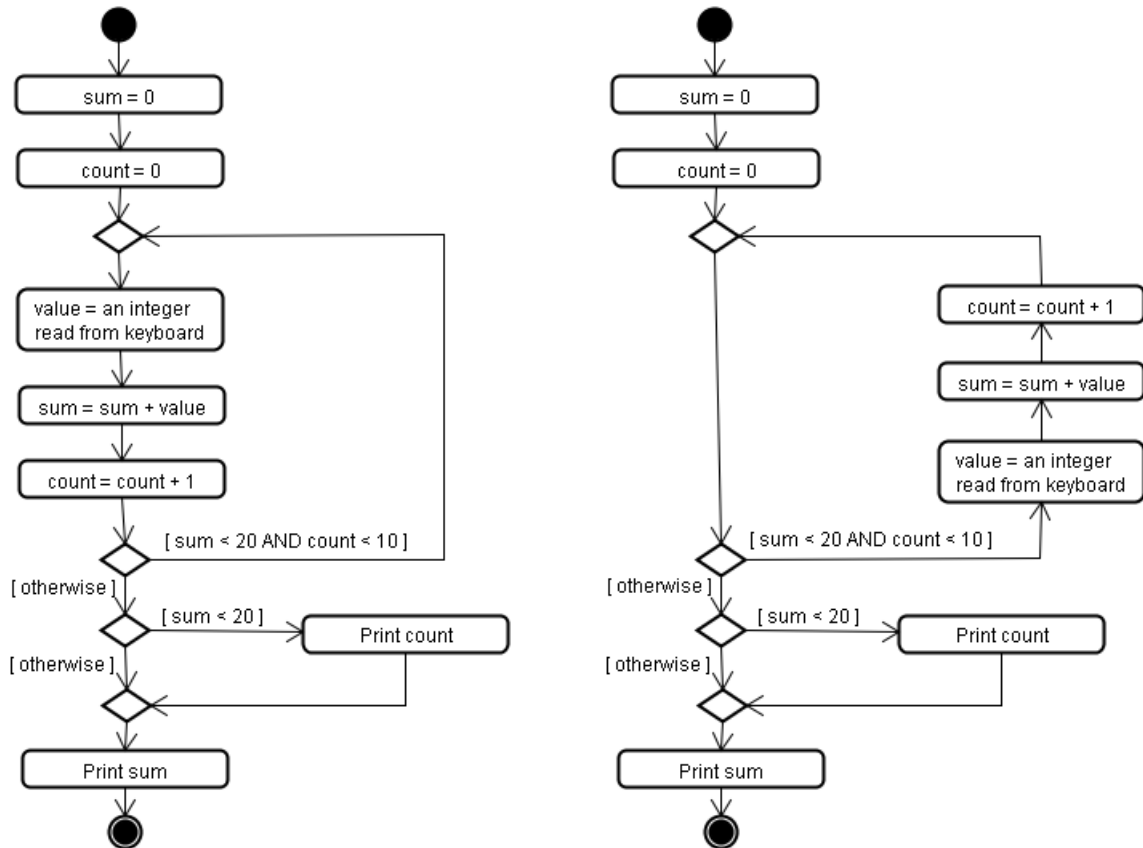
Look at the UML Activity diagram below:



- Can you identify any selections? If yes, is it if, if-else or switch?
- Can you identify any loops? If yes, is it for, while or do-while?
- Implement the activity diagram in a main method.
- 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.
- Implement these changes in a new Java program.

Exercise 22.03

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



Exercise 22.04

Draw sequence diagrams for the following scenarios:

- Buying a meal in the canteen
- A course instructor creating a test and adding a few question to it

Exercise 22.05

Look at some of your previous exercises, e.g. the Notebook one, and try drawing a sequence diagram of the objects and method calls involved.