Java Assignment1

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Draw the flowcharts of the following questions. You will need to upload only **one pdf file** containing all of the flow charts. You can use what ever tool you like to draw them. In case you don't have any software to do this with(not even Microsoft Word) draw them on paper, take pictures insert them in a word file and then convert it to a pdf file and upload it.

1   Question 1

There are four variables n1,n2,n3,n4 that the user will read into. Your job is to draw a flowchart that finds the maximum amongst these numbers and prints it.(20%)

2   Question 2

For this question, you will have to draw a flowchart that deals with finding all multiples of five from 1 to 100 and prints them immediately after it has found each one of them. In other words you need to print those numbers between 1-100 that their remainder to 5 is equal to zero like 5,10,15, ...,100.(the last one is 100 so 105 should not be printed) (40%)

Hint: A similar question has been covered in the lab videos of this week.

3   Question 3

The Vanier bank is an imaginary bank that I came up with for this assignment. Each year, at the beginning of the school year, you will invest some money in it. This bank will take your initial money, lets say 100$ and each day it will add 0.001 * the **initial** amount you have invested to your balance(0.001% interest rate). Assuming a year is 365 days, if you invest 100 dollars then each day your total will be increased by 100*(0.001)$ and in one year you will gain 100+ 365* 100*(0.001)$. Draw a flowchart that reads the initial balance of the user and prints their final total balance after 3 years. (40%)

Good luck