King Saud University College of Computer and Information Sciences Computer Science Department	
CSC 111 Introduction to Programming with Java	First Semester 1440-1441

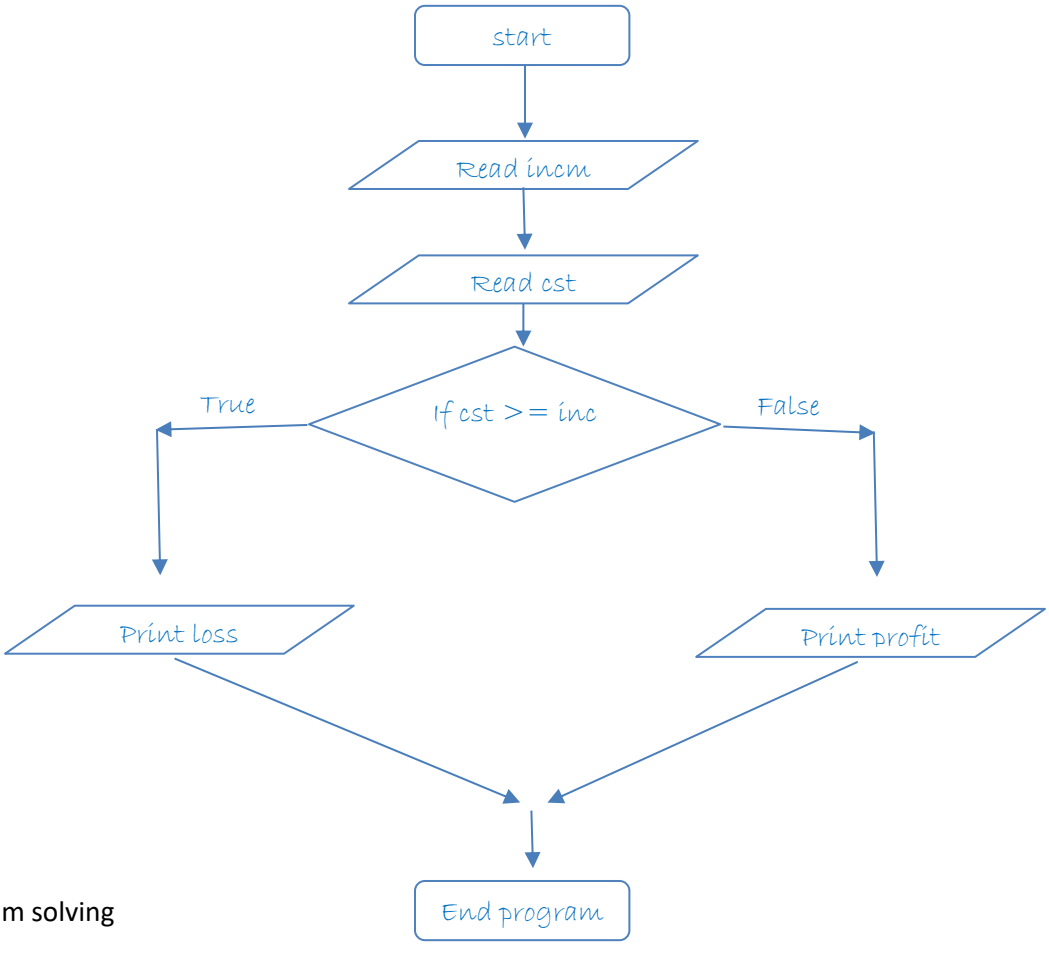
Tutorial 1

Q1 . Write a program that read cost and income and display if the sale is a profit or loss.

analysis:
input: cost and income
output: profit or loss
processing: if cost >= to income then its loss, else is profit
algorithm;

1. *start the program*
2. *read the two variables and save them as incm, cst.*
3. *if cost is greater than or equal to income, print loss.*
   else, print profit.
4. *end the program*

flowchart:



Q2 . Draw flowchart and write an algorithm for a program that Print the largest among three different numbers entered by user.

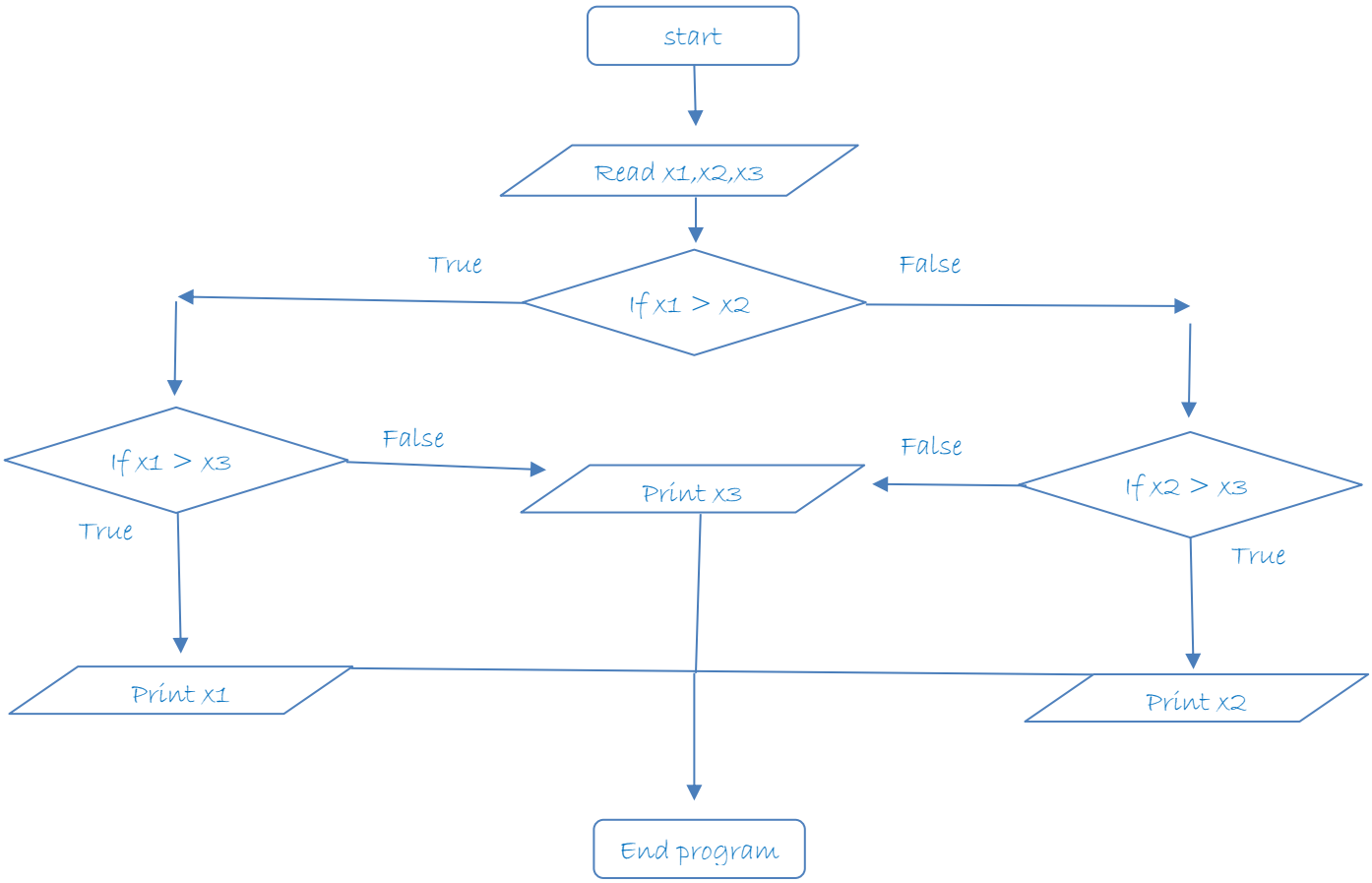
algorithm:

1. start the program
2. read the three variables and save them as x1, x2, x3
3. if x1 > x2
   - if x1 > x3
     - print x1
   - else, print x3

   if x2 > x3
   - print x2

   else, print x3
4. end program

flowchart:



Q3. [Self-Check] What Does the following program do ?

It'll print 45

a- What happen if we change count = 10 to count = 100 ?

If count is equal to 100 then it will add 1 to count until count = 100 then it will print sum_

b- What happen if we remove count = count +1 ?

The value of count will never be 10