


Soal Praktikum <i>Practicum Case</i>	
COMP6360 Algorithm and Programming	
Teknik Informatika <i>Computer Science</i>	CS-COMP6360-Var02
Periode Berlaku Mulai Semester Ganjil 2018/2019 Valid on Odd Semester Year 2018/2019	Revisi 00 Revision 00

Learning Outcomes

- Write a program in C language in problem solving

Topic

- Session 02 – Arithmetic Operation

Sub Topics

- Creating a program using arithmetic operation

Soal

Case

Create a simple program that can calculate unsorted math equation. Here are the descriptions of the program:

- At the beginning of the program, program will show this formula:
 - $x = ((\text{sqrt}(a) + b^3 - c*b)) * \text{sqrt}(b)$
- Ask user to input **a**, **b**, and **c**.
- Show the result of **x**.
- Show the second formula:
 - $y = (d/b - x/c + a)^3$
- Ask user to input **y**.
- Show the result of **y**.

Please run the EXE file to see the sample program.

Print Screen of first unsorted math equation

```

      ♠ Math Calculators ♠
    ↑*****↑
Calculation of first unsorted equation
*****
      x = ((sqrt(a) + b^3 - c*b))*sqrt (b)
Where   : a = first entered number
          b = second entered number
          c = third entered number
          x = first unsorted equation result
Input a : 1
Input b : 2
Input c : 3
      x : 4.24

```

Print Screen of second unsorted math equation

```

Where   : a = first entered number
          b = second entered number
          c = third entered number
          x = first unsorted equation result
Input a : 1
Input b : 2
Input c : 3
      x : 4.24

Calculation of second unsorted equation
*****
      y = (d/b - x*c + a)^3
Where   : d = fourth entered number
          y = second unsorted equation result
Input d : 4
      y : 3.99

```