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Faculty of Engineering
Department of Computer Engineering

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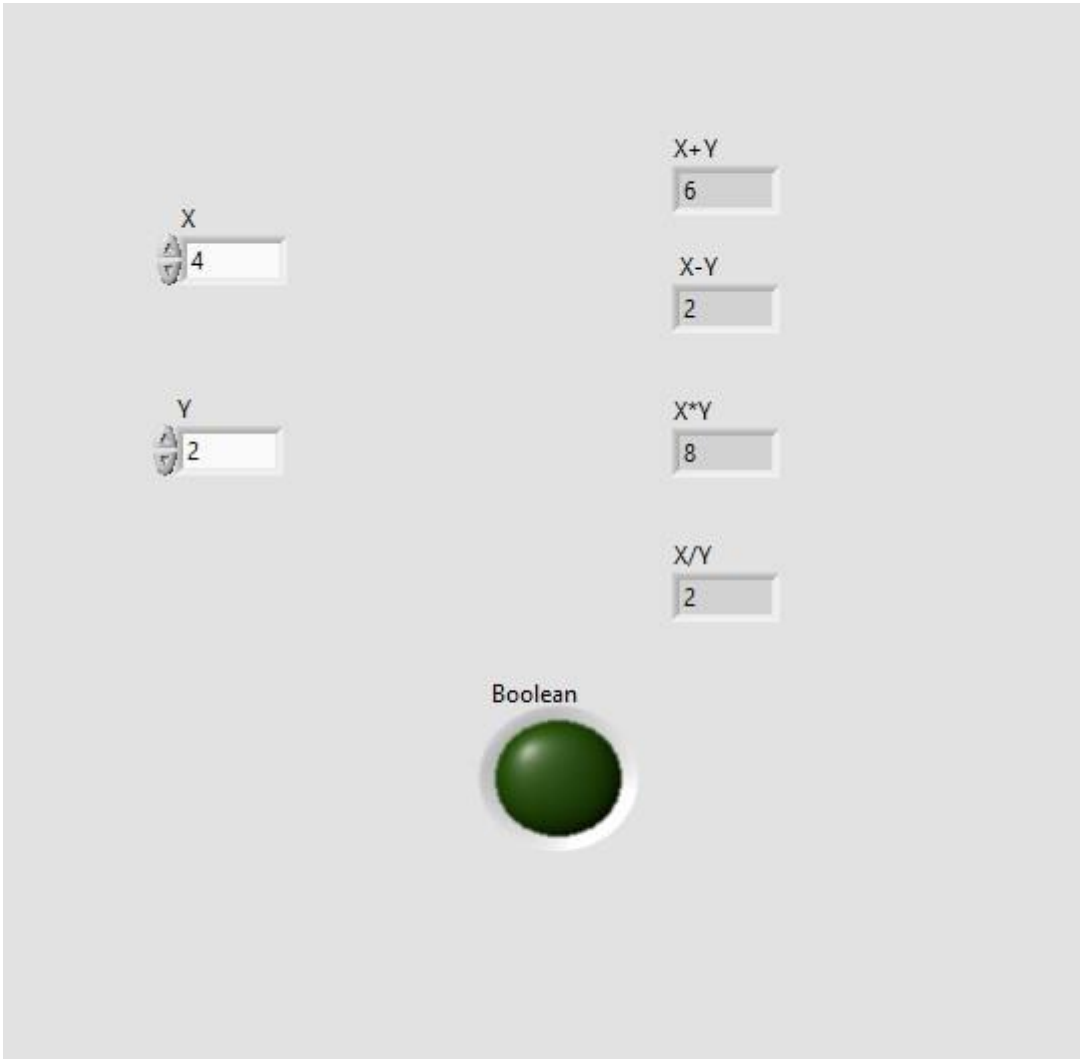
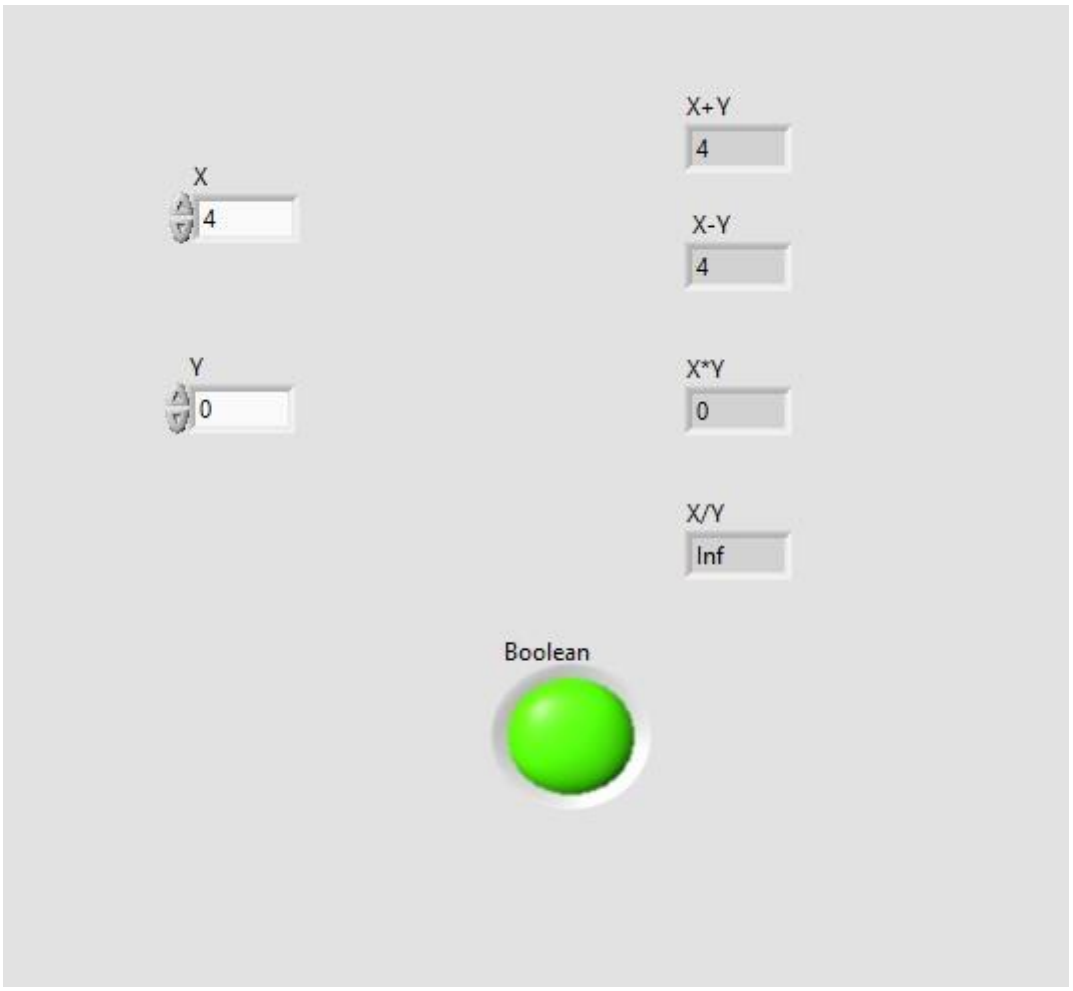
Experiments 2

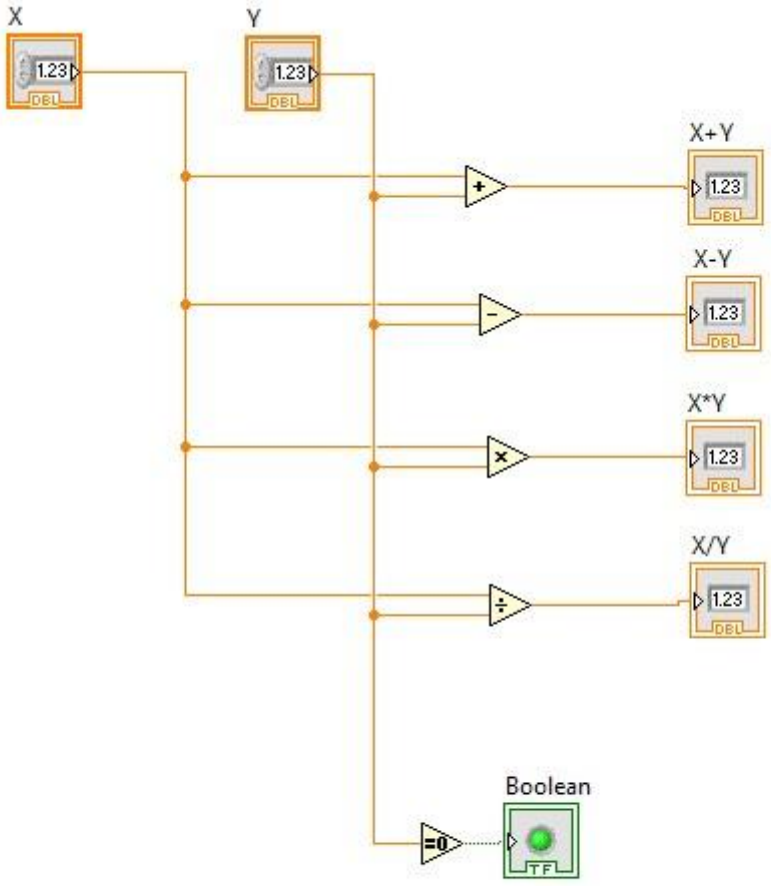
Introduction to LabVIEW

Q1:

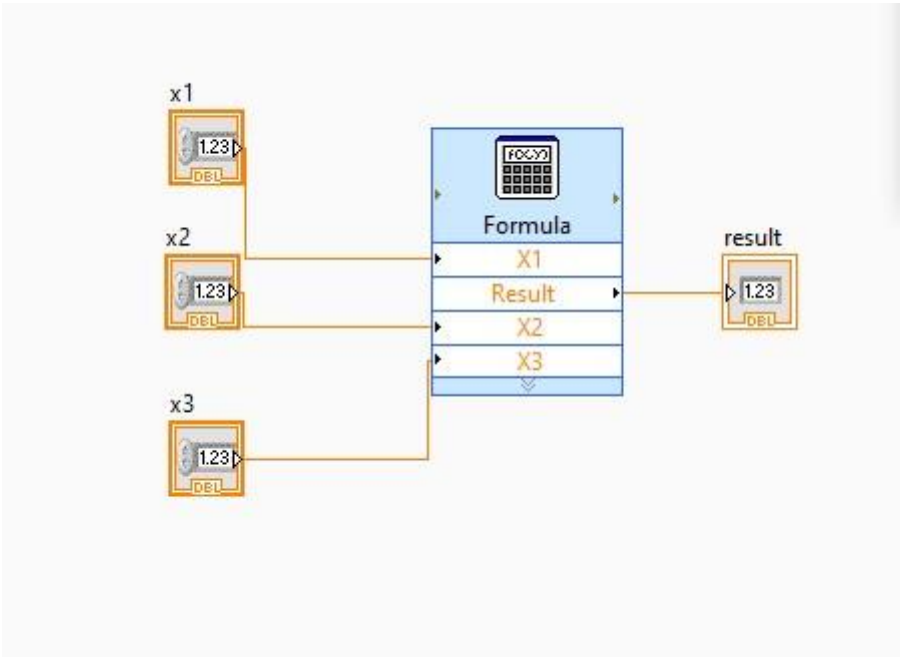
1. Make a LabVIEW program that ask the user to enter(x,y) two numbers and the program find : □ x+y □ x-y □ x*y □ x/y if y equal zero (answer equal infinity) a led should light to warn the user.

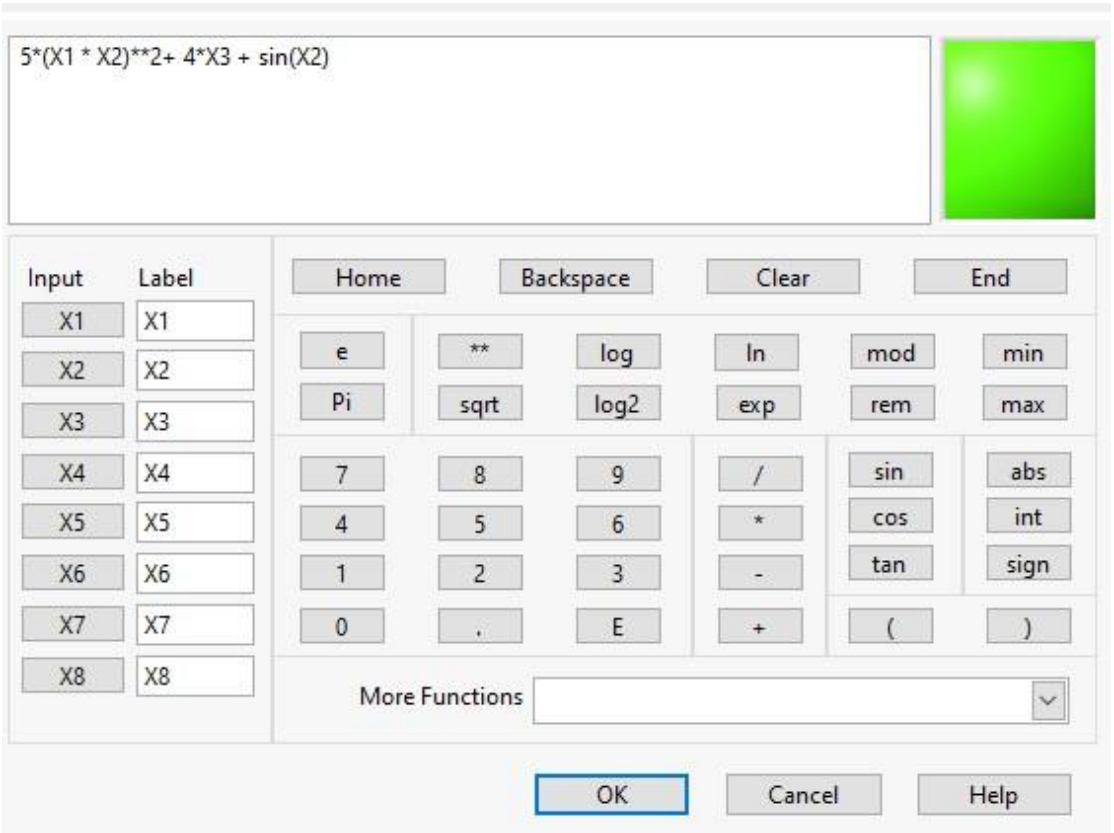



X+Y
4
X
4
X-Y
4
Y
0
X*Y
0
X/Y
Inf
Boolean

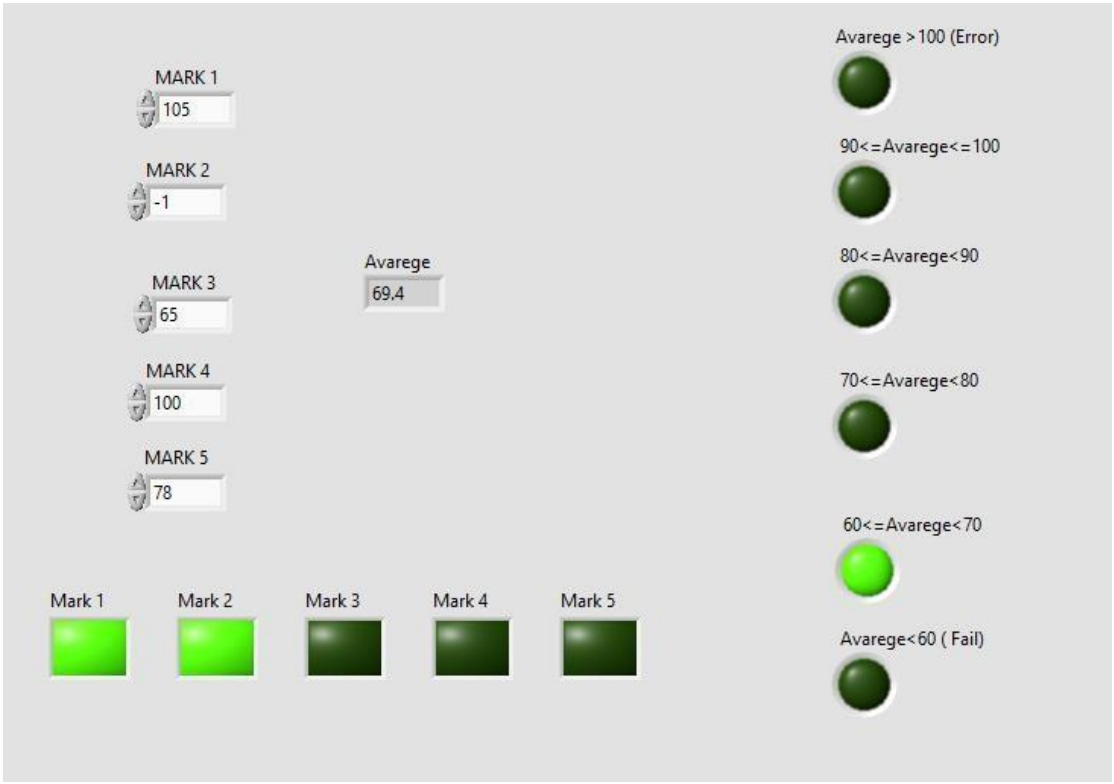

X
Y
X+Y
X-Y
X*Y
X/Y
Boolean
=0

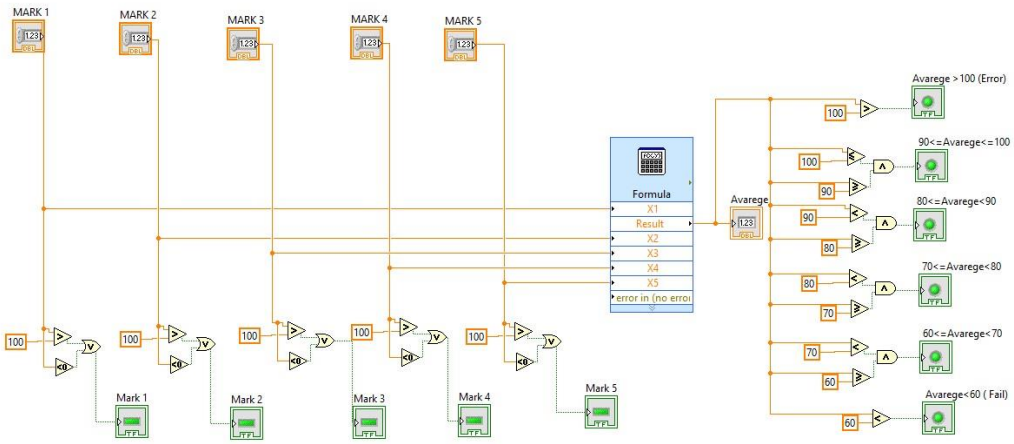
2. Make a LabVIEW program to execute the following formula: y = 5(x1 ∗ x2)2+ 4x3 + sinx2





3. Create a LabVIEW program that allows the user to enter the student marks in five subjects and then calculate the average.

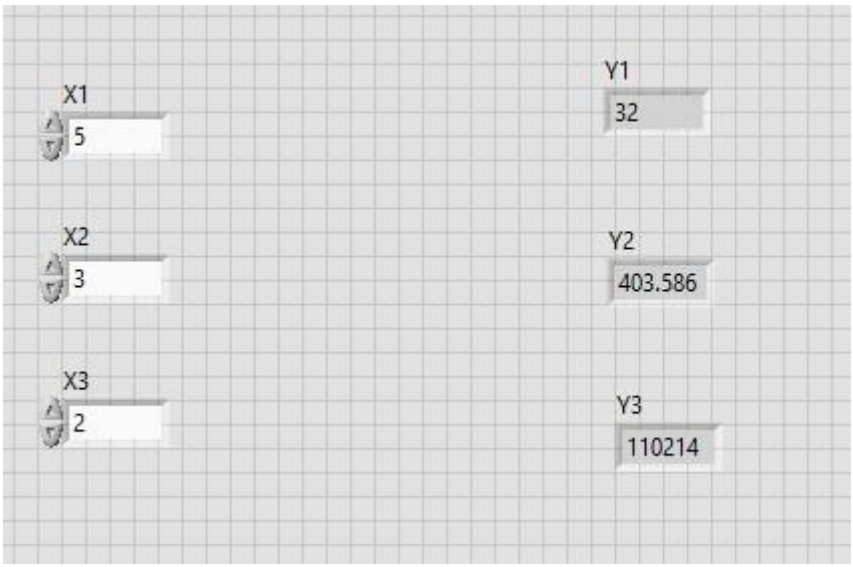


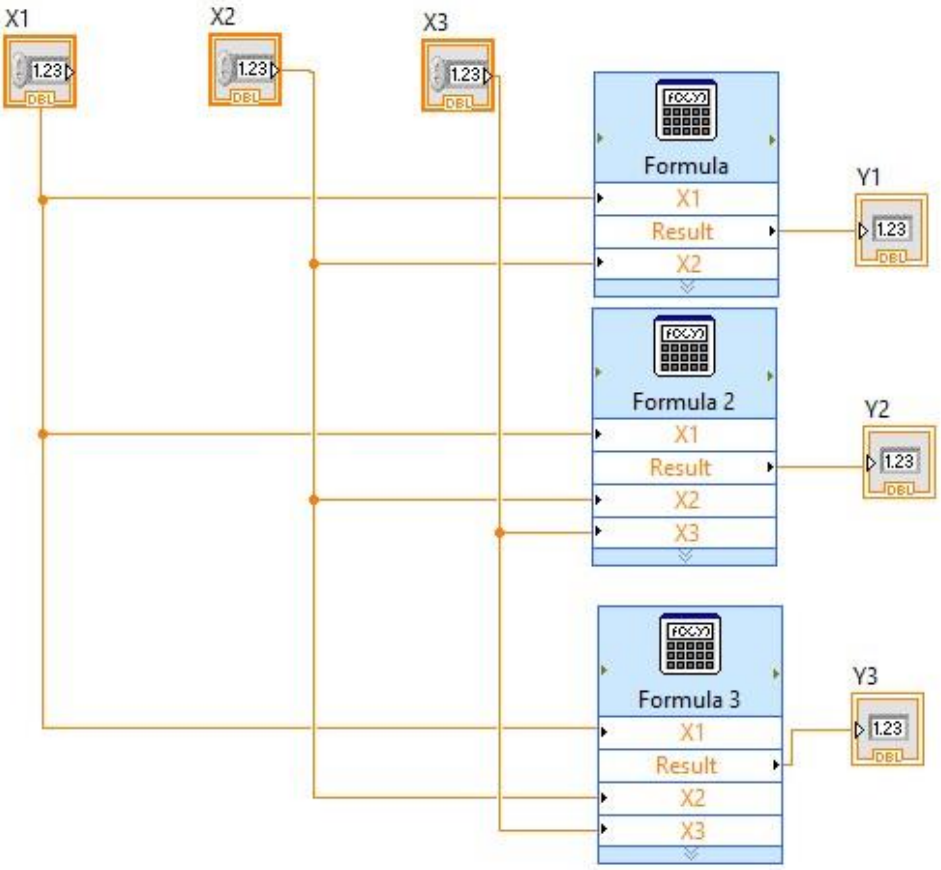


Question 2: Make a Labview program that execute the following formula:

- Y1 = 4X1 + 5X2 - 3

- Y2 = 3X1 * X2^3 - √X3
- Y3 = 5 *e*2X1 + 3X2^3 + tan(2X3)





Y1 = 4X1 + 5X2 – 3

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4*X1 + 5*X2 - 3
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Y2 = 3X1 * X2^3 - √X3

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( 3*X1 * X2**3) - sqrt(X3)
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Y3 = 5 *e*2*X*1 + 3X2^3 + tan(2X3)

```
5*(2.718281828459045**(2*X1)) + 3*X2**3 + tan(2*X3)
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