

BERGEN COMMUNITY COLLEGE

Fundamentals of Programming

Programming assignment: Using math operators

Problem Specification:

Create a mini calculator program that will allow the user to enter two integers (operand 1 and operand 2), the program will calculate the sum, difference, product, whole number quotient, remainder, the real number quotient, and the square root of operand1. The program should also calculate the value of operand2 raised to the power of 4.

Sample Output:

```

                                Mini Calculator

      Operand 1                      Operand 2
        30                             7

Sum      Difference    Product    Whole Quotient    Remainder
  xx           xx           xxx           xx           xx

Real Quotient    Square Root of Operand 1    Operand 2 to the power of 4
  x.xx                xx.xx                      xxxx
```

The x's in the sample above are placeholders, you will calculate the data to be used in the process section of your program.

Use the numbers shown for the input values when you create the output report that you will submit.

Use your program template when creating any program! Start your program by using a copy of your template (open your template file and then "save as" with your new file name, the file name should pertain to the problem solved: example name for this program would be minicalc).

- When you are testing your program, send your output to the screen so that you can check it
- When you run the program to create the output for submission, send your output to a file so that you can submit that file.

Notes:

- You must use an output format similar to the one shown in the sample output above
- Remember to submit the three files: source code (the .cpp file), output (the .dta file), and design work (this can be created using Word or the C++ editor)
- Do not submit the program specification with your work
- A program that does not compile is not a program