# Assignment 5 – Loops

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| 1. | Write a program that displays a menu giving the user 5 options: Addition, Subtraction, Division, Multiplication, and Exit. If the user picks a mathematical operation, it should then ask for 2 numbers and perform that operation on those numbers, displaying the result. The program should then display the menu again and allow the user to choose another option, repeating until the user selects ‘Exit.’ The program should display an error if the user types in an invalid value at any time and allow the user to try again. | 70% |
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| 2. | Add one more menu option ‘Exponent.’ The user should again enter 2 numbers and the program should display the result of raising the first number to the second number’s power (i.e. if the user enters 2 and 3, it should display the result of 23, or 8). **Do not use** an existing function such as pow() for this assignment.  Hint: Remember  22 is the same as 2 \* 2.  23 is the same as 2 \* 2 \* 2.  24 is the same as 2 \* 2 \* 2 \*2.  and so on… | 30% |

Submit the project to the assignment on MUOnline in a compressed (.zip) file. The submission should follow the naming convention:

CIT163\_*LastName\_FirstInitial\_*Loops.zip