# Assignment 4 – Branches: If Statements and Program Logic

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| 1. | Write a program that asks for the names of three runners and the time it took each of them to finish a race. It should then display who came in first, second, and third place. The program should test the input to only accept positive numerical values for the times. | 50% |
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| 2. | Write a program that asks for the number of calories and fat grams in a food. The program should display the percentage of calories that come from fat. If the calories from fat are less than 30% of the total calories of the food, it should also display a message indicating that the food is low in fat.  One gram of fat has 9 ‘fat calories’, and the percentage of calories from fat can be calculated as fat percentage = fat calories / total calories \* 100.  The program should validate the input to only accept positive numerical values (or 0 is acceptable for fat grams), and the number of calories from fat should not be greater than the total number of calories entered. | 50% |
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Submit the projects to the assignment on MUOnline in compressed (.zip) files. The submission should follow the naming convention:

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