CIS 121 Sequence Problems

Develop an IPO Chart and C++ code the following problems. Upload the IPO and code files to Blackboard.

Save your files with the convention PS2P1, PS2P2 etc. PS1P1 is Problem set 1, program 1 etc.

1. Ask the user to enter first and last name. Display a message “Hello [last name]”.

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| INPUT | PROCESS | OUTPUT |
| * Inserting first name * Inserting last name | * Create variable for the firstname and lastname * Ask for first and last name so I will create a character string. * Create a greeting “hello” and add the inputs given. | “Hello (firstname lastname)” |

1. Allow the user to enter two real numbers. Compute and display the sum or the two numbers.

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| INPUT | PROCESS | OUTPUT |
| Two real Numbers | Create variables for the numbers and the sum  Display a character output that asks for the two numbers  Create a calculation that will solve the sum | The sum of the two numbers |

1. Ask the user to enter last name and score. Format a message that says “[last name] has a score of [score]”.

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| INPUT | PROCESS | OUTPUT |
| Last name  The score | Create a formatted message that will also display the last name with the score  Create variable for the input | (last name) has a score of (score). |

1. Allows the user to enter three integers. Compute the result = (n1 + n2) \* n3. Display the result.

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| INPUT | PROCESS | OUTPUT |
| Three integers | Add first two and then multiply third integer | Results (total) |

1. Ask the user to enter two real numbers. Compute and display the sum, product and difference of the numbers.

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| INPUT | PROCESS | OUTPUT |
| Two integers | Assing variables to the numbers  Select what case of calculations will be made here are sum, product, and difference | Display the three answers |