CIS 121 Sequence Problems – Elliot DeMerit

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]”.

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Fname | Msg = “Hello [Lname]” | Msg |
| Lname |  |  |

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

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Num1 | Sum = Num1 + Num2 | Sum |
| Num2 |  |  |

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

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Lname | Msg = “[Lname] has a score of [Score]” | Msg |
| Score |  |  |

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

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| N1 | Sum = N1 + N2 | Answer |
| N2 | Answer = Sum \* N3 |  |
| N3 |  |  |

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

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Num1 | Sum = Num1 + Num2 | Msg |
| Num2 | Prod = Num1 \* Num2 |  |
|  | Diff = Num1 – Num2 |  |
|  | Msg = “Sum = [Sum], Product = [Prod], Difference = [Diff]” |  |
|  |  |  |