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]”.

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| fname |  | lname |
| 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 |  | lname |
| score |  | score |
|  |  |  |
|  |  |  |

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

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| num1 | result=(num1+num2)\*num3 | result |
| num2 |  |  |
| num3 |  |  |
|  |  |  |

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 | sum |
| num2 | product=num1\*num2 | product |
|  | difference=num1-num2 | difference |
|  |  |  |