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Introduction to Programming Concepts

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| **Input** | **Process** | **Output** |
| Make a selection from the menu.  If user chooses [1] from the menu, the user enters two numbers for calculation.  The user constantly has the choice to select [1], [2], [3], or [4] from the menu. | If user selects choice [1] and inputs two numbers, then both the numbers are stored for calculation.  If the user selects [2] from the menu, the two numbers are added together.  If the user selects [3] from the menu, the previous calculation of the sum of the two numbers is cubed. If the user has not found the sum, display “you need to find the sum first” and return to the menu.  If the user selects [4] from the menu, quit the program.  If the user enters any other choice, then the program quits. | Display the menu until the program quits.  If the user selects [1] from the menu, he/she has the option to enter two numbers for calculation.  If the user selects [2] from the menu, display the sum.  If the user selects [3] from the menu, display the cube of the sum.  If the user selects [4] from the menu, quit the program.  If the user enters any choice other than [1], [2], [3], or [4], then display “INVALID INPUT” and quit the program. |