SE126 : 202020

Lab #4B

4B. After completing 4A, use it as a basis for 4B. You should have the following lists for each person in the original file:

**LIST0 LIST1 LIST2 LIST3 LIST4 LIST5**

Firstname Lastname Age Nickname House Allegiance House Motto

Build a program, utilizing these lists, that allows a user to select options from a menu:

MENU

1. Print all First, Last, and nicknames
2. Print Last names with House Allegiance and Motto
3. Print full records
4. EXIT

Based on the user’s selection, print what they have requested. They should immediately be returned to the menu unless they have chosen “4. EXIT” in which case they should see a Goodbye message.

**Specifications:**

* The menu should be printed from a function that returns the user’s selection to be utilized by the main/base program. The function should not return unless the user has supplied 1, 2, 3, or 4 only.
* All printed data must be values stored in lists
* The goodbye message must come from a function

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| --- | --- |
|  | Points |
| Documentation:   * Name, Lab # [5] * Variable Dictionary [5] * Starting Documentation [5] * Documentation of Program [5]   \*At least new material should be documented with notes to yourself\* | 20 |
| Program Runs without Errors | 20 |
| "Clean" Display   * Organized, Formatted, Thoughtful * Output is formatted correctly (see sample output) * All printed columns are aligned | 10 |
| Lab Specific: New Material:   * Program stores file data into LISTS * Program processes the LIST data to   + print data requested by user * User cannot leave program unless they supply 4 as their selection | 25 |
| Lab Specific: Core Concept   * Accurate Output values   + All records are printed accurately with correct data based on user’s selection * Both the menu and goodbye functions operate as specified   + The user is restricted to only enter 1 – 4 as valid options from the menu * List names are descriptive | 25 |
| Total | 100 |