

Project 1 (Contacts list):

Create a string array that is at least 5 elements long. Using the example code of a user menu that I gave you, create a program that can take an input to select either:

- 0) Exit
- 1) Add a new name
- 2) Print a name that was previously added by selecting the position it is stored in.

There are a LOT of little things to consider for this project, so I'll give you some clues.

- The example code I gave you will cover selecting options, but you will need to add additional cin lines to ask your user for the name they want to add, or the position they want to get a name from.
- REMEMBER, arrays will break your code if you go outside their size, so you should use some kind of if statement to check if your user has asked for a name from a position that is not possible. You can do testing without this, because you can be careful and just not go too far, but you need to add a safety check before this is considered "complete".
- You need to keep track of where the next empty spot in your array is, so that when you add a new name it doesn't replace an old one. You can have your code replace the oldest name if it fills up, or you can just stop accepting new names if there's no more space, your call.
- Cin will stop reading after a space, and if there is anything after the space cin will treat it as your next entry. So if you type "1 name" on the menu, your program will select option 1, and then use "name" as the name you want to add. You don't need to change your code at all to deal with this, but you need to be aware of it for testing.

Optional:

If you want to be *INCREDIBLY COOL* you can add a second array that also takes a phone number (stored as an int, it doesn't have to make sure that it's a valid phone number so just "12" is fine). The phone number should be asked for when you add a name, and it should be saved in the second array at the same position. When the user asks for a person at position "3" you should also print their phone number with their name.

You can email me any questions at jamesmce1215@gmail.com or text me at (253)6663498.