Final Project - Part B

A **CandidateType** defines a candidate that runs for the presidential election of the student government. There are four community college campuses participating the election process. Each campus manages its own voting process.

You will need to implement the **CandidateType** class that **inherits** from the PersonType class.

Since the **CandiateType inherits** from the **PersonType** class, **MAKE SURE** you implement your code **efficiently** by -**re-suing** the functions that are already available in the **PersonType**.

CandiateType class	
Global constant	Declare a global constant integer , right before the class definition, to store the number of participating campuses. Name your constant: NUM_OF_CAMPUSES
Member variables	An integer that stores the total number of votes An array of integers that has capacity of NUM_Of_CAMPUSES . The campuses will be labeled by numbers (i.e., Santiago Canyon College = 1, Santa Ana College = 2, and so on) where one corresponds to index 0 of the array, 2 corresponds to index 1 of the array, etc.
Default constructor	Initializes the total number of votes to 0 Initializes all the array elements to 0.
Function updateVotesByCampus	Parameters: The Campus number and the number of votes for that campus. Updates the total number of votes and the number of votes for the campus specified
Function: getTotalVotes	Return the total number of votes
Function: getVotesByCampus	Parameter: The Campus number. Returns the votes for the specified Campus.
Function: printCandidateInfo	Prints information about the candidate in the following format: ###-##-### - IName, fName Note: the "#" should be replaced with integers.

Function: printCandidateTotalVotes	Prints the candidate's total votes in the following format:
	Lastname, Firstname
	⇒ Total Votes (all campuses) : ##
	Note that "#" should be replaced with an integer.
Function	Parameters: The Campus number.
printCandidateCampusVotes	Prints the candidate's vote for the specified Campus:
	Lastname, Firstname ⇒ Campus # total votes: ##
	Note that "#" should be replaced with an integer.
	Note that # Should be replaced with an integer.
Destructor	(empty)

Make Sure you consider when to:

- Pass by reference
- Use a **const** modifier for your parameter
- Use a **const** modifier for your function

Create a Main.cpp file to test your functions.

Start writing every class you write in Unified Modeling Language (UML). Please do your own research if you need information on topics not covered in class.

By you end of Part B of the project, you must have part A, Part B completed including UML for all the classes used.