Project 1 (Part A) – PersonType Class

For this project, you will be creating an application that displays the election results to nominate the President of the Student Council. The project has several parts; you need to fully implement each part before working on the next one.

Max number of students to work on the project: Four (4) students. Your group needs to stay the same throughout the project.

Team name: You need to find a name for your team (even if you are a one-programmer team). We will be setting the teams in class.

For this section of the project, you will be implementing the **PersonType** class. Make sure you follow the same format discussed in class by having an .h file and a .cpp file.

PersonType Class	
Member variables	• A person's first name stored as a string • A person's last name stored as a string • A person's social security number stored as an int
Default constructor	Initializes the social security number to a default value of 0. (Why there is no need to initialize the first and last names?)
Overloaded constructor	**Parameters:** first name, last name and social security number Initializes all member variables to the given values.
Function **setPersonInfo**	**Parameters:** first name, last name and social security number Re-sets the first name, the last name, and the social security number of a person to the new values passed.
Function **getFirstName**	Returns the person's first name.
Function **getLastName**	Returns the person's last name.
Function **getSSN**	Returns the person's social security number.
printName	Prints the person's last and first name in the following format: *Lastname, Firstname*
Function **printPersonInfo**	Calls the function **printSSN( )** to format the social security number. Prints the person's social security number, first name and last name in the following format: `###-##-#### FirstName LastName`

Function **printSSN**	Formats the social security number by separating the number with dashes and outputs the formatted string.
Destructor	Left empty.

Make sure you consider when to:

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

Create a **Main.cpp** file to **test** your functions.