CMPSC 121: Project 3

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1 Instruction

Write a program (`nagivate.cpp`) with the following features:

1. Print out destination menu on screen. Use `navigate.cpp` you worked on for Project 1.

2. Get a menu choice (number) for the user from the keyboard. (use `cin`)

3. Determine the next destination (string) based on the user input. (use `if` - `else` statement)

4. Print out the next destination on screen.

```
$ ./a.out
Please select your next destination:

1. New York
2. London
3. Cairo
4. Rio de Janeiro

Please enter your selection: 2

Your input is : 2
Your next destination is : London
```

1.1 NOTES:

- **Due date:** by midnight (11:59pm) on March 3rd (Tuesday)

- You can start writing code using `navigate.cpp` for your Project 1.

- This time **indentation** becomes very important since you will use multiple `if` - `else` - `if` - `else` statements. Be sure to (i) match the indentation level for `if` and the corresponding `else`. And be sure to use curly braces for marking `if` block and `else` block.

- Again, style is important. Other elements for good programming style are:

  - indentation
  - naming convention: variables (`int numberBooks`), file name (`hello.cpp`), project name (`HelloWorld`).
  - comments

1.2   Technical notes:

If you use Visual Studio:

- Create a Visual Studio project with the name `Destination`. You can use a different name but *make sure* that the name follows the coding style. <u>Avoid</u> using default names such as `ConsoleApplication` or `Source.cpp`.

- In case you have problem with saving (i.e. read-only filesystem error as was with some Lab computers in class), move your project folder to `Desktop` folder.

- Click on '`Start without debugging`' menu item under `Build` menu to avoid window closing instantly when you run the compiled binary.

- **Submission:** After you are done, zip the project folder (or `nagivate.cpp` file) and upload the zip file on the Angel dropbox.

If you use Linux:

- `g++` compiler does not have any Project-like environment similar to Visual Studio's. You need to create a directory and create your source code file in the directory. Some Linux commands are:

    - Create a directory: `mkdir Destination`
    - Change to a directory: `cd Destination`
    - Edit `nagivate.cpp` file: `nano nagivate.cpp`
    - Compilation: `g++ nagivate.cpp`
    - Execution of the compiled binary: `./a.out`

- I recommend the use of MobaXTerm over Secure Shell Chrome app since MobaXTerm has a secure file transfer (sFTP) feature avaialble. If you use lab computers, download "portable" version of MobaXTerm since you can install it on lab computers without administrator's privilege.

- **Submission:** After you are done, download the `nagivate.cpp` file to your own computer using MobaXTerm. Then zip the file up and upload to the Angel dropbox.