CMPSC 121: Project 1

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1 Instruction

Write a program (`navigate.cpp`) that executes the following steps:

1. Print out city names on screen. (use `cout` statements)

2. Get a number input from the keyboard. (use `cin`)

3. Print out user's keyboard input on screen. (NOTE: You do not need to convert the number into the city name. For example, simply print out number 2 (i.e. no need to print out London) when the user has entered 2.)

```
$ ./a.out

Please select your next destination.

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

Please enter your selection: 2

Your next destination number is: 2
```

1.1 NOTES:

- **Due date:** by midnight (11:59pm) on February 19th (Thursday)

- Be sure to follow the proper coding style as much as you can. (The purpose is to develop a good habit from the start.) Some of the style elements are:
  - indentation
  - naming convention: variables (`int numberBooks`), file name (`hello.cpp`), project name (`HelloWorld`).
  - comments

- Use the following multi-line comments for information related to your submission:

```
/*  Homework or Project #n: Printing out a sample
    Programmer: Your name (abc123@psu.edu)
    Date: 01/01/2015
    (Optional) Assistance with cout statements provided by Rob the tutor
*/
```

1.2 Technical notes:

If you use Visual Studio:

- Create a Visual Studio project with the name `Navigate`. 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 the window closing instantly when you run the compiled binary.

- **Submission:** After you are done, zip the project folder (or navigate.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 Navigate`

  - Change to a directory: `cd Navigate`

  - Edit `navigate.cpp` file: `nano navigate.cpp`

  - Compilation: `g++ navigate.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 `navigate.cpp` file to your own computer using MobaXTerm. Then zip the file up and upload to the Angel dropbox.