

# **C++ cin & Comments**

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# cin operatator

- cin is used to store the data obtained from the user in a variable
- cin works in conjunction with cout
- Examples:

```
string name;  
cout << "Enter your first name: ";  
cin >> name;
```

```
int num;  
cout << "Please enter a number: ";  
cin >> num;
```

# Comments

- Comments in our C++ source code can serve many purposes
  - 1. Explain to the reader (another programmer) what this program does.
  - 2. Note to other developers about what the block of code is doing.
  - 3. A ***to do*** list on tasks you need to complete.

# Styles of Comments

- An in line comment marks the rest of the text on the line as a comment

```
//this is an in line comment
```

- Multi-line comment, marks a block of text as comments

```
/*
```

```
This is a  
multi-line  
comment
```

```
*/
```

# Exercise

Write a complete C++ program that does the following.

1. Declares two string variables, name and year.
2. Assigns the student's name to the variable name.
3. Prompts the student to enter her/his year in college.
4. Reads and stores the string in the variable, year.
5. Outputs both name and year.

# Solution

File name: myinfo.cpp

```
#include <iostream>
#include <string>
using namespace std;
int main() {
    string name = "your name", year;
    cout << "Please enter your year in college: ";
    cin >> year;
    cout << "My name is " << name << " and I am a " <<
year << "." << endl;
    return 0;
}
```