C++ cin & Comments

Instructor: Krishna Mahavadi
cin operator

- 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;
}