

CS200 - Programming Assignment 5

Due: Monday, Nov. 6. Must be uploaded to Canvas before the beginning of class.

Please read the sections of the syllabus on programming assignments and honor code before starting this homework.

1. **[30 Points]** On the website, I've put an html file for the Computer Science department website page that lists all CS courses. Use should save this file, and then use it to create a program where you input a course name, and the algorithm outputs the prerequisites.

You can look up information about how to read in the html file and look at it line by line. You should *not* hard code in the prerequisites, but should use the file, such that if I altered the text, by say, adding a new course, your program would still work correctly, as long as I kept the formatting consistent.

Note: for the next programming assignment, we will use this program to create a graph of prerequisites for the major.

For extra brownie points (not extra credit) have your program access the website directly, rather than using the html file.

Put a multi-line comment at the beginning of your program. It should contain:

- Your name
- Programming Assignment 5
- The name of anyone you worked with
- The number of hours you spent on this assignment
- Sample output

Sample Output. (Your output does not have to have exactly the same format as mine, but it must do effectively the same thing.)

```
Course?  
CSCI 0101  
No prerequisites
```

```
Course?  
CSCI 0200  
CSCI 0101 or CSCI 0150 or CSCI 0190
```

```
Course?  
CSCI 0301  
CSCI 0200 and CSCI 0201
```

Course?
CSCI 04x72
Not a valid course number!

Course?
CSCI 0702
CSCI 0701 and Approval