



source: <http://www.sochi2014.com>

Problem

Print the HTML of the web page of the Sochi Olympics containing the medal standings.

HTML is short for [HyperText Markup Language](#). It classifies the information of a web page. A web browser uses HTML, together with some other data such as [Cascading Style Sheets](#) (CSS), to present the information.

```
<html>
<head>
<title>My page</title>
</head>
<body>
<p>Welcome to my page.</p>
</body>
</html>
```

HTML5 (in combination with CSS3) is Turing complete.

HTML was proposed by Tim Berners-Lee in 1990.

Sir Timothy Berners-Lee (born 8 June 1955), is a British computer scientist. He is best known as the inventor of the World Wide Web. He is a professor at MIT.



source: Knight Foundation

Problem

Print those lines of the HTML of the web page of the Sochi Olympics that represent the medal table.

Problem

Prompt the user "Enter the name of a country: " and print "has won g gold, s silver and b bronze medals."

Problem

Prompt the user "Enter the name of a country: " and print "has won g gold, s silver and b bronze medals." Reprompt the user if the country cannot be found in the medal table.

Problem

Make the app more robust by allowing the user to use lower- and uppercase when entering the country's name. For example, Canada, canada, CaNaDa, etc should all be acceptable.

Exercise

Make the app more robust by trying to correct typos. In particular, try to correct the situation where the user did not type one of the characters. For example, Canaa, Canad, etc should all be acceptable.

Reading the HTML from a URL and extracting information from it is an example of [screen scraping](#).

A robust alternative to screen scraping is [web services](#).

Building E-Commerce Systems (CSE4413)

- **When:** Friday February 14, during the lab (14:30–16:00)
- **Where:** Lassonde building, labs 1006, 1004, 1002
- **Material:** Chapter 1–5 of the textbook, with a focus on Chapter 5
- **What:** Two programming questions
- **Note:** For each question, you get 1 mark (out of 5) for the fact that your code compiles
- **Note:** Your code is not only marked for correctness (3 marks out of 5 for each question) but also style (1 mark out of 5 for each question)

“If you put your name on something, then it is your work, unless you explicitly say that it is not.”

Do not look at your neighbour's screens.

www.cse.yorku.ca/admin/cosc0nAcadHonesty.html contains more details.

- Next week is reading week.
- There will be no lectures and no lab.
- There will be no office hours.
- There will be one or more review lectures given by a teaching assistant (details will be posted on Moodle).

- Study the remainder of Chapter 6.