

Lab 14: HTML parsed as XML.

How to work on your lab task - how to turn in your program:

Turn in your lab 14 task as "20140424-25 Lab 14 task" in the I211 Oncourse site -> Assignments thus:

- For today's lab, *every* student needs to submit the [Lab-Team-Feedback-Form.doc](#) file on Oncourse, on their own. In order to receive any credit for today's lab -- even if you choose not to fill any information in it -- you need to turn in this form for the Lab 14 task Assignment on Oncourse before your lab time is over.
 - You will work on this task with your lab team, but only *one* team member needs to turn in the Python solution code file *while in lab*, to receive full credit for the work done.
 - For today's lab, the person responsible to turn in the Python solution code is the *last* person listed in your lab team, as from the `teams-lab...` files on Oncourse. If the last person in your team is absent from lab, the next person on the list (e.g. the *first* person) is responsible to turn in the solution code, etc.
 - Upload your Python solution file to Oncourse under I211 Assignments->"20140424-25 Lab 14 task".
 - Include the following information as a `# comment` at the top of the file you submit:

```
# I211 Spring 2014 - Lab 14
# your name (First, Last)
# your IU email address
# your I211 lab team number
# the names of all your I211 team members
```
 - Kindly make sure that your Python code works correctly before submitting.
 - To receive any credit for the work done, the Python source code file has to be turned in *at lab time and while in lab*. (including the information about yourself and your student team, as listed above. Submissions will lose 50% of the assigned grade if this information is missing from the submitted Python file)
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Tasks

1. Start with the HTML Table *Group Work* (on silo.soic.indiana.edu) from Lecture 4, page 14 notes/slides as from Oncourse Resources.
2. (3 points)
 1. Complete/verify the following task is completed as from the Lecture 4 notes:
 - assume you have a list of lists, where every inner list is the same length.
Example: `my_list = [[1,2,3],[4,5,6],[7,8,9]]`
 - write a Python program that takes this list and writes it out as a table in an HTML file.
 2. Write a second Python program that:
 - reads the HTML file and creates a list of lists corresponding to the table.
 - prints the list.
Example printout from the second Python program:
`['1', '2', '3'], ['4', '5', '6'], ['7', '8', '9']`
 3. In your second Python program, you *have to* use the following to generate the list of lists:
 - `import xml.etree.ElementTree as ET`
 - `...getiterator()`
 - one of the `find()` functions from the ElementTree library.
3. Please see Lecture 24 and 25 notes for details.
4. Turn in your completed `I211-lab-14.py` file and your [Lab-Team-Feedback-Form.doc](#) to Oncourse before you leave the lab.