

# CSF205 – Data Representation, Markup Languages, and Web Services

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## Lab 01: HTML

### Resources to use:

You can use either the HTML4 or HTML5 version.

<http://w3c.github.io/html-reference/spec.html>

### Tasks:

- The following body code fragment is incorrect in terms of the positions of the tags? How should the code should be rearranged? Add additional tags, if necessary, to make it readable.

```
<html>
<body>
  <p>Interviewer: Introduce yourself
  Boy: My father's name is Laughing
  Boy: My mother's name is Smiling
  Interviewer: <strong>Are you kidding?</p>
  Boy: No, he's my cousin and I'm Joking
</strong>
</body>
</html>
```

```
<html>
<body>
<p>Interviewer: Introduce yourself
Boy: My father's name is Laughing
Boy: My mother's name is Smiling Interviewer: <strong>Are you kidding?</p> Boy: No, he's my cousin and I'm Joking
</strong> </body>
</html>
```

## Lab Exercises

- b. What is the difference between a <p> and a <div> element? Explain with examples (use a simple html webpage to demonstrate)

- c. Use the W3C's HTML validation service on the following html content and identify the errors and fix them.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>test title</title>
  </head>
  <body>
    <h7>
      test heading
    </body>
  </html>
```

- d. Write an HTML page to display the following information. Make use of lists, definitions, links, tables etc. Validate your page with the W3C Validator.

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Welcome to **The Garden Company**! We hope you will find our site a useful resource for becoming a better gardener.

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### **Diagnosing Foliage Problems**

Here's a quick guide to diagnosing common problems with plant foliage:

- I. Yellow
    - Wet soil
    - Low fertility
    - Root rot pathogens
    - Roots cut or damaged
      - Gophers
      - Moles
      - Insects
    - Nematodes
  - II. Necrotic spots
  - III. White powder
  - IV. Light and dark green areas
  - V. Holes or chewed areas
- 

### **Gardening Terms**

Here are some useful gardening terms:

#### **Acid Soil**

Soil that is lower than 7.0 pH. Acidity is measured by the amount of calcium in the soil. The opposite of acidic soil is alkaline soil.

#### **Deciduous**

A tree or plant that loses its leaves at the end of the growing season, such as a maple tree.

#### **Fungus**

A primitive, non-vascular, non-photosynthetic form of plant life. Examples include mildews, molds, and mushrooms.

#### **Nematode**

A microscopic roundworm that lives in the soil. There are both harmful and beneficial nematodes. Harmful ones take their toll on the roots of the plant.

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Item #	Name	Price	In Stock?
CH3484711	Sampson & Company All-Natural Pesticide	\$14.99	Yes
CH548291	Sampson & Company All-Natural Herbicide	\$14.99	Yes
CH543295	Vickers and Vickers Fertilizer Sticks	\$5.98	Yes
CH548570	Appleton Acres Big Sack of Bulbs, Tulips	\$22.50	No
CH548571	Appleton Acres Big Sack of Bulbs, Daffodils	\$22.50	Yes
CH548572	Appleton Acres Big Sack of Bulbs, Hyacinths	\$22.50	Yes
CH548573	Appleton Acres Big Sack of Bulbs, Crocuses	\$22.50	No
CH545392	Jackson and Perkins Climbing Rosebushes	\$12.99	Yes
CH548577	Easton Create-Your-Own Paving Stones Kit	\$32.99	Yes

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