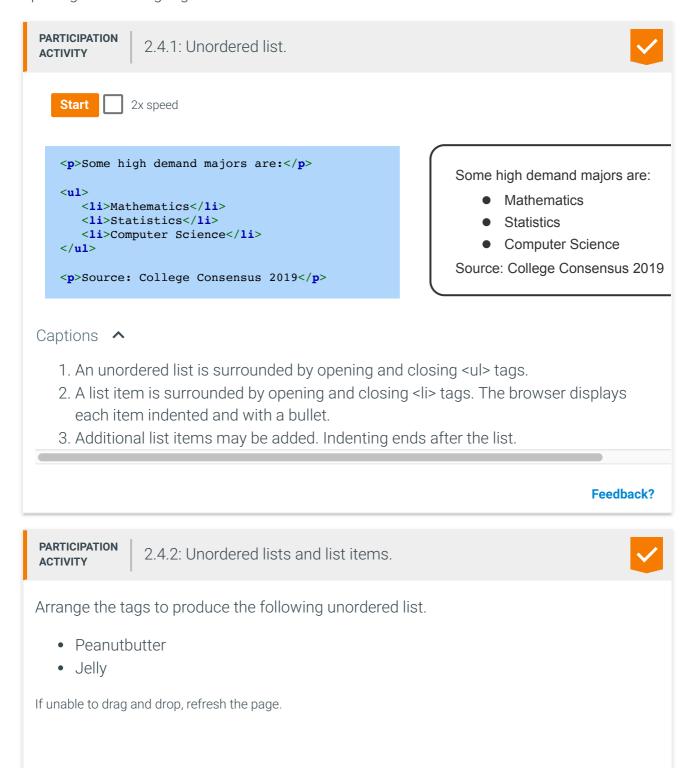
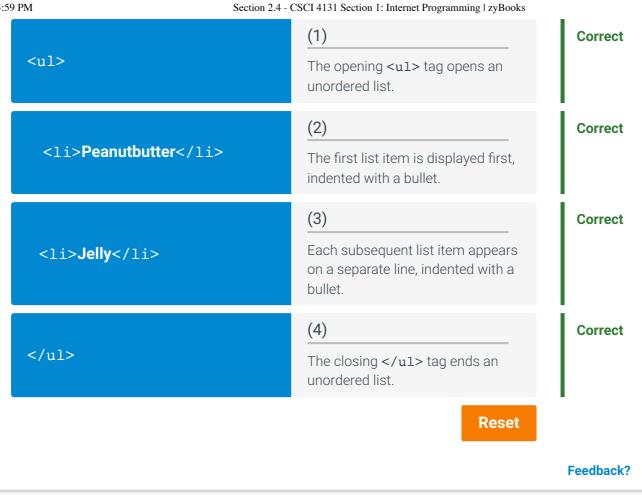
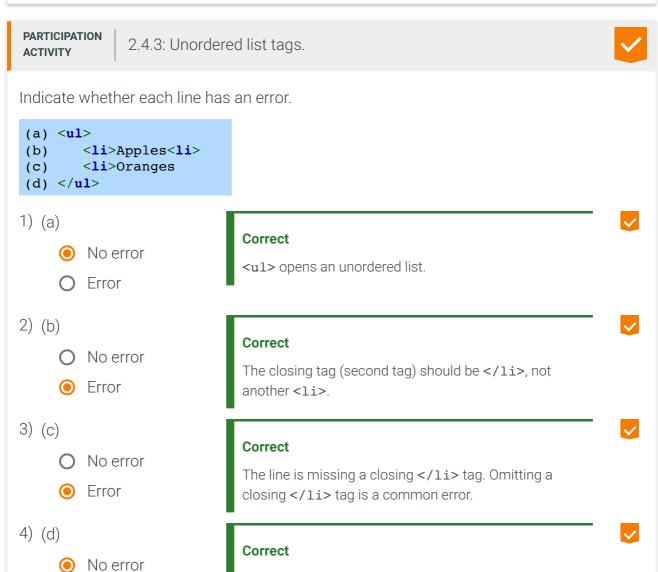
2.4 Lists

Unordered lists

An **unordered list** is a collection of items, usually indented and shown using bullets, surrounded by the **< opening** and closing tags. Each **list item** is surrounded by **opening** and closing tags.







Feedback?

Ordered lists

An **ordered list** is a sequenced collection of items, usually indented and shown using numbers or letters, surrounded by the opening and closing tags. As with an unordered list, each list item is surrounded by **>** opening and closing tags. The tag's numbering scheme is specified with the **type attribute**. The table below shows the different types available.

Table 2.4.1: Ordered list types.

Туре	Description	Example	Result
type="1"	Numbers (default)	<pre><ol type="1"> item 1 item 2 item 2 item 3 </pre>	1. item 1 2. item 2 3. item 3
type="A"	Uppercase letters	<pre><ol type="A"></pre>	A. item 1 B. item 2 C. item 3
type="a"	Lowercase letters	<pre><ol type="a"> item 1 item 2 item 2 item 3 </pre>	a. item 1 b. item 2 c. item 3

type="I"	Uppercase Roman numerals	<pre><ol type="I"> item 1 item 2 item 2 item 3 </pre>	I. item 1 II. item 2 III. item 3
type="i"	Lowercase Roman numerals	<pre><ol type="i"> item 1 item 2 item 3 </pre>	i. item 1 ii. item 2 iii. item 3

Feedback?

CSS list-style-type

The CSS property *list-style-type* provides the ability to change the bullet used in an unordered list and offers more numbering options in an ordered list.

Example	Result
<ul style="list-style-type:square">Item 1Item 2Item 3	Item 1Item 2Item 3
<pre><ol style="list-style-type:lower-greek"> >li>Item 1 >li>Item 2 >li>Item 3 </pre>	α. Item 1 β. Item 2 γ. Item 3

PARTICIPATION ACTIVITY

2.4.4: An ordered list: High demand majors.



The HTML below shows an ordered list. Modify the HTML:

- 1. Add Genetic Counseling as the fourth degree and Cybersecurity as the fifth.
- 2. Use the **type** attribute to change the numbering type to letters and then to Roman numerals.

Render webpage

Reset code

Your webpage

Top masters degrees in demand are:

- 1. Physician Assistant
- 2. Statistics
- 3. Nursing

Source: College Consensus 2019

--- START FILE: html ---

▼ View solution

```
> Explain
```

```
Nursing
  Genetic Counseling
  Cybersecurity
Source: College Consensus 2019
--- END FILE: html ---
                                                                    Feedback?
PARTICIPATION
             2.4.5: Ordered list.
ACTIVITY
Refer to the HTML below.
<01>
  Cats
  Dogs
  Hamsters
1) The list will be
                           Correct
  numbered 1., 2., 3.
                           Ordered lists are numbered with numbers by default.
    True
    False
2) Adding type="i" to
                           Correct
  the first changes
                           type="i" must be added to the  tag to affect the
  the list to i., ii., iii.
                           whole list, not the tag.
    True
    False
3) Changing the ordered
                           Correct
  list to an unordered list
  with type="A"
                           The type attribute is deprecated for  and should
                           not be used. An unordered list should use CSS to change
  changes the list to A.,
                           the bullet style.
  B., C.
    True
    False
                                                                    Feedback?
```

Nested lists

A **nested list** is a list within a list item of another list. Nested lists are indented inside the outer list. A nested unordered list uses a different bullet style, and a nested ordered list restarts at 1.

PARTICIPATION ACTIVITY

2.4.6: Nested movie and book lists.



Start

2x speed

```
            Favorite movies

                 The Princess Bride
                  Remember the Titans
                  Remember the Titans

                  Xul>
                  Xul<</li>
                  Xul<</li>
                  Xul<</li>
                  Xul
                 Xul
                  Xul
                 Xul
                  Xul
                  Xul
                  Xul
                  Xul
                  Xul
                   Xul
                  Xul
                       Xul
                  Xul
                  Xul
                  Xul
                   Xul
                  Xul
                   Xul
                  Xul
```

- Favorite movies
 - 1. The Princess Bride
 - 2. Remember the Titans
 - 3. Moana
- Favorite books
 - 1. To Kill a Mockingbird
 - 2. The Brothers Karamazov

Captions ^

- 1. An unordered list has two list items.
- 2. A numbered list of movies is nested inside the unordered list's first li element.
- 3. A common mistake is to leave a nested list outside an item's and tags. Although the HTML may render as intended, the HTML is technically incorrect.
- 4. For the HTML to conform to the HTML Living Standard, the nested list should go INSIDE an item's li> and

Feedback?

PARTICIPATION ACTIVITY

2.4.7: Nested lists.



The HTML below shows three nested ordered lists. Try making the following modifications:

- 1. Add the fourth most populous state, New York, with cities New York and Buffalo.
- 2. Change California's nested tags to tags.
- 3. Add an ordered or unordered list under Los Angeles with three items:
 - 1. Most populous city in California
 - 2. Second-most populous city in USA
 - 3. Third-most populous city in North America

```
δ
    </ L1>
9
10
    Texas
      <01>
11
        Houston
12
        San Antonio
13
      14
15
    16
    Florida
17
18
      <01>
        Jacksonville
19
20
        Miami
      21
    22
23
```

Render webpage

Reset code

Your webpage

Most populous states and cities within those states:

- 1. California
 - 1. Los Angeles
 - 2. San Diego
- 2. Texas
 - 1. Houston
 - 2. San Antonio
- 3. Florida
 - 1. Jacksonville
 - 2. Miami

▼ View solution

```
Explain
```

```
Second-most populous city in USA
        Third-most populous city in North
America
      San Diego
  Texas
  Houston
    San Antonio
  Florida
  <01>
    Jacksonville
    Miami
  New York
  New York
    Buffalo
  --- END FILE: html ---
```

Feedback?

PARTICIPATION ACTIVITY

2.4.8: Nested lists.



Indicate what precedes the given list item when rendered by the browser. Valid answers are: bullet, 1., 2., or 3.



