# HTML:
## lists & tables

# LISTS

# HTML Lists

- Unordered lists **<ul>**

  Collections of items in no particular order; these are by default rendered by the browser as a bulleted list.

- Ordered lists **<ol>**

  Collections of items that have a set order; these are by default rendered by the browser as a numbered list.

- Definition lists **<dl>**

  Collection of name and definition pairs. These tend to be used infrequently. Perhaps the most common example would be a FAQ list.

# Types of Lists

```
<ul type="disc">

<ul type="square">

<ul type="circle">

<ul type="none">


<ol type="a">

<ol type="A">

<ol type="i">


...etc...
```

## Unordered lists

**Disc**

- First item
- Second item
- Third item

**Square**

- First item
- Second item
- Third item

**Circle**

- First item
- Second item
- Third item

**None - no bullets**

First item
Second item
Third item

## Ordered lists

**Decimal**

1. First item
2. Second item
3. Third item

**Decimal with leading zeros**

01. First item
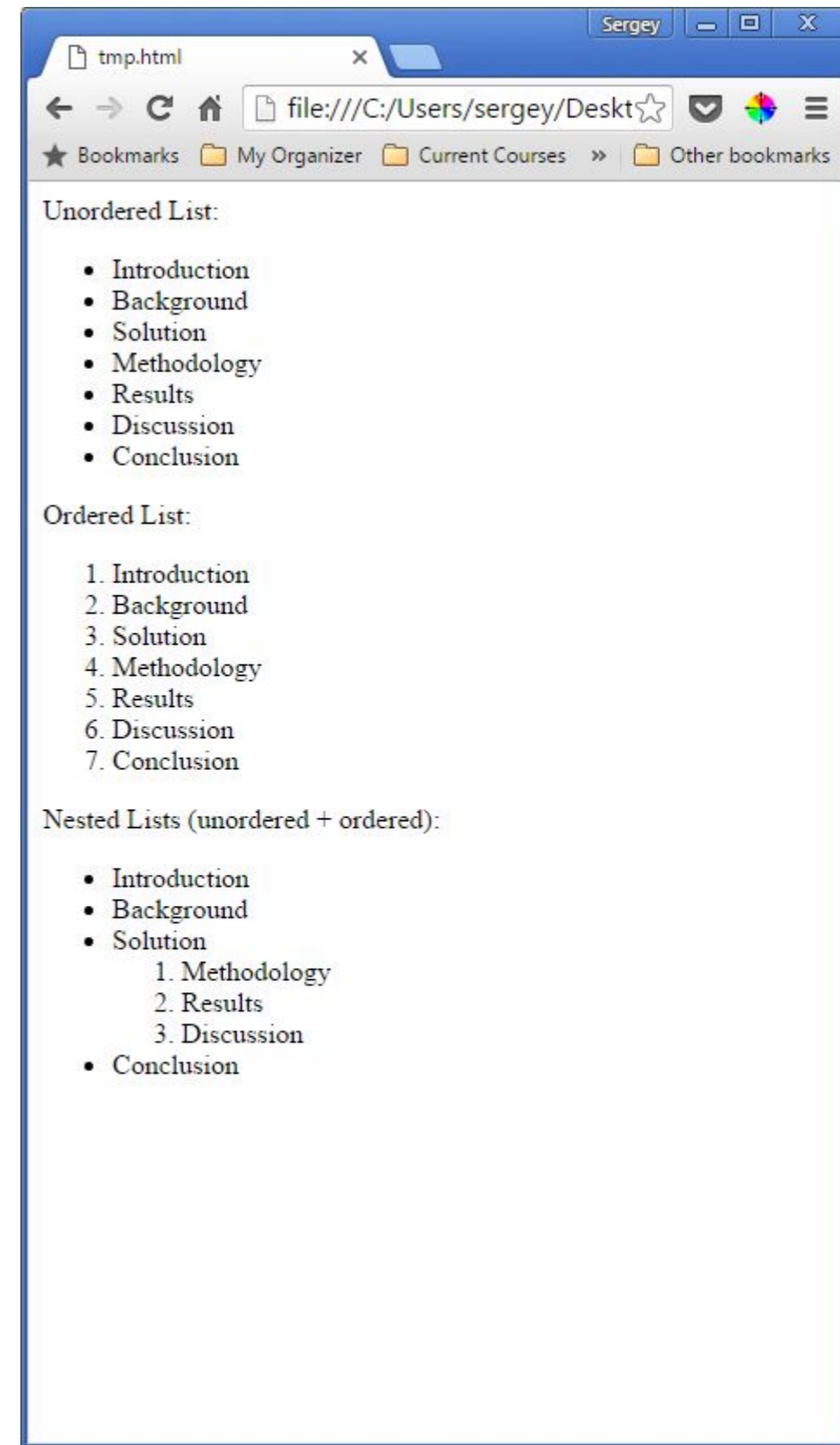02. Second item
03. Third item

**Lowercase ascii letters**

a. First item
b. Second item
c. Third item

**Lowercase roman numerals**

i. First item
ii. Second item
iii. Third item

# "Nested" Lists



Left window — C:\Users\sergey\Desktop\lists.html - Notepad++

```
 1    Unordered List:
 2
 3    <ul>
 4        <li>Introduction
 5        <li>Background
 6        <li>Solution
 7        <li>Methodology
 8        <li>Results
 9        <li>Discussion
10        <li>Conclusion
11    </ul>
12
13    Ordered List:
14
15    <ol>
16        <li>Introduction
17        <li>Background
18        <li>Solution
19        <li>Methodology
20        <li>Results
21        <li>Discussion
22        <li>Conclusion
23    </ol>
24
25    Nested Lists (unordered + ordered):
26
27    <ul>
28        <li>Introduction
29        <li>Background
30        <li>Solution
31            <ol>
32                <li>Methodology
33                <li>Results
34                <li>Discussion
35            </ol>
36        <li>Conclusion
37    </ul>
```

Ln : 25   Col : 36   Sel : 0 | 0        Dos\Windows        UTF-8 w/o BOM        INS

Right window — tmp.html

Unordered List:

- Introduction
- Background
- Solution
- Methodology
- Results
- Discussion
- Conclusion

Ordered List:

1. Introduction
2. Background
3. Solution
4. Methodology
5. Results
6. Discussion
7. Conclusion

Nested Lists (unordered + ordered):

- Introduction
- Background
- Solution
    1. Methodology
    2. Results
    3. Discussion
- Conclusion

# TABLES

# HTML Tables

Example usages

|  | Free | Basic | Premium |
|---|---|---|---|
| Upload Space | 50MB | 200MB | Unlimited |
| Daily Uploads | 1 | 10 | Unlimited |
| Total Uploads | 20 | 100 | Unlimited |
| Social Sharing |  | ✓ | ✓ |
| Analytics |  |  | ✓ |
| Price per year | Free | $ 9.99 | $ 19.99 |

### Artist Inventory

| Artist | Work Details | | | |
|---|---|---|---|---|
|  | | Title | Year | Home |
| Jacques-Louis David | | The Death of Marat | 1793 | Royal Museums of Fine Arts of Belgium |
|  | | The Intervention of the Sabine Women | 1793 | Royal Museums of Fine Arts of Belgium |

### Paintings

| | Title | Artist | Year | Genre | |
|---|---|---|---|---|---|
| ☐ | Death of Marat | David, Jacques-Louis | 1793 | Romanticism | Edit |
| ☐ | Lictors Bearing to Brutus the Bodies of his Sons | David, Jacques-Louis | 1789 | Romanticism | Edit |
| ☐ | Liberty Leading the People | Delacroix, Eugene | 1830 | Romanticism | Edit |
| ☐ | Arrangement in Grey and Black | Whistler, James Abbott | 1871 | Realism | Edit |
| ☐ | Mademoiselle Caroline Riviere | Ingres, Jean-Auguste | 1806 | Neo-Classicism | Edit |

### October 2014

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
|  |  |  | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 |  |

« Sep    Nov »

# Tables Basics

Rows and cells

- an HTML **\<table\>** contains any number of rows (**\<tr\>**)

- each row contains any number of table data cells (**\<td\>**)

- Content goes inside of **\<td\>\</td\>** tags

```
<table>
   <tr>
      <td>The Death of Marat</td>
   </tr>
</table>
```
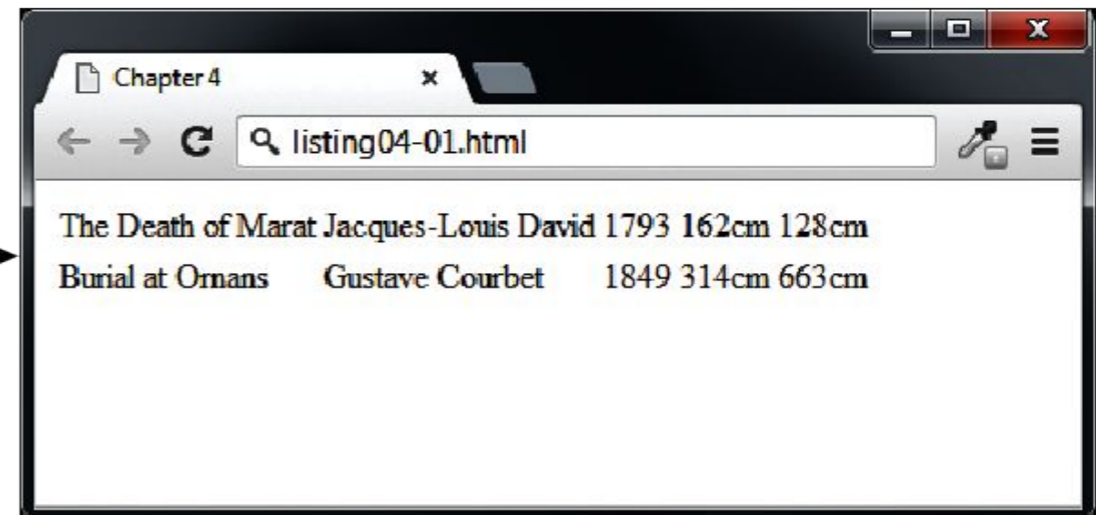
↖ content

# A basic Example

<table>

<tr>

| The Death of Marat | Jacques-Louis David | 1793 | 162cm | 128cm |
|---|---|---|---|---|
| *<td>* | *<td>* | *<td>* | *<td>* | *<td>* |

<tr>

| Burial at Ornans | Gustave Courbet | 1849 | 314cm | 663cm |
|---|---|---|---|---|
| *<td>* | *<td>* | *<td>* | *<td>* | *<td>* |

```
<table>
    <tr>
        <td>The Death of Marat</td>
        <td>Jacques-Louis David</td>
        <td>1793</td>
        <td>162cm</td>
        <td>128cm</td>
    </tr>
    <tr>
        <td>Burial at Ornans</td>
        <td>Gustave Courbet</td>
        <td>1849</td>
        <td>314cm</td>
        <td>663cm</td>
    </tr>
</table>
```
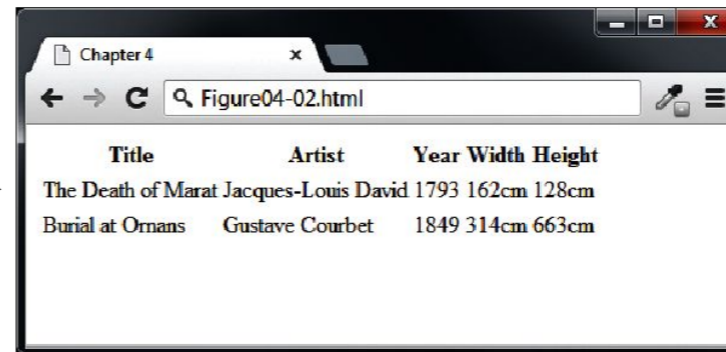
Chapter 4

listing04-01.html

The Death of Marat Jacques-Louis David 1793 162cm 128cm
Burial at Ornans     Gustave Courbet     1849 314cm 663cm

# With Table Headings

*<table>*

| Title | Artist | Year | Width | Height |
|---|---|---|---|---|
| The Death of Marat | Jacques-Louis David | 1793 | 162cm | 128cm |
| Burial at Ornans | Gustave Courbet | 1849 | 314cm | 663cm |

*<tr>* ... *<th>* *<th>* *<th>* *<th>* *<th>*

*<tr>* ... *<td>* *<td>* *<td>* *<td>* *<td>*

*<tr>* ... *<td>* *<td>* *<td>* *<td>* *<td>*

**th**

```
<table>
    <tr>
        <th>Title</th>
        <th>Artist</th>
        <th>Year</th>
        <th>Width</th>
        <th>Height</th>
    </tr>
    <tr>
        <td>The Death of Marat</td>
        <td>Jacques-Louis David</td>
        <td>1793</td>
        <td>162cm</td>
        <td>128cm</td>
    </tr>
    <tr>
        <td>Burial at Ornans</td>
        <td>Gustave Courbet</td>
        <td>1849</td>
        <td>314cm</td>
        <td>663cm</td>
    </tr>
</table>
```

Chapter 4 — Figure04-02.html

| Title | Artist | Year | Width | Height |
|---|---|---|---|---|
| The Death of Marat | Jacques-Louis David | 1793 | 162cm | 128cm |
| Burial at Ornans | Gustave Courbet | 1849 | 314cm | 663cm |

# Why Table Headings

- A table heading: <th>

- Browsers tend to make the content within a <th> element bold

- <th> element for accessibility (it helps those using screen readers)

- Provides some semantic info about the row being a row of headers

# Spanning Rows and Columns

Each row must have the same number of <td> or <th> containers. If you want a given cell to cover several columns or rows,

| Title | Artist | Year | Size (width x height) | |
|-------|--------|------|----------------------|---|
| The Death of Marat | Jacques-Louis David | 1793 | 162cm | 128cm |
| Burial at Ornans | Gustave Courbet | 1849 | 314cm | 663cm |

<table>
<tr> *(Title <th>, Artist <th>, Year <th>, Size (width x height) <th colspan=2>)*
<tr> *(The Death of Marat <td>, Jacques-Louis David <td>, 1793 <td>, 162cm <td>, 128cm <td>)*
<tr> *(Burial at Ornans <td>, Gustave Courbet <td>, 1849 <td>, 314cm <td>, 663cm <td>)*

use the **colspan or rowspan attributes**

Notice that this row now only has four cell elements.

```
<table>
    <tr>
        <th>Title</th>
        <th>Artist</th>
        <th>Year</th>
        <th colspan="2">Size (width x height)</th>
    </tr>
    <tr>
        <td>The Death of Marat</td>
        <td>Jacques-Louis David</td>
        <td>1793</td>
        <td>162cm</td>
        <td>128cm</td>
    </tr>
    ...
</table>
```

# Spanning Columns

```
...
  <tr>
    <th>Monday</th>
    <td colspan="2">Geography</td>
    <td>Math</td>
    <td>Art</td>
  </tr>
...
```

# Spanning Columns

| | 9am | 10am | 11am | 12am |
|---|---|---|---|---|
| **Monday** | Geography | | Math | Art |

# Spanning Rows

```
...
  <tr>
    <th>6pm - 7pm</th>
    <td rowspan="2">Movie</td>
    <td>Comedy</td>
    <td>News</td>
  </tr>
  <tr>
    <th>7pm - 8pm</th>
    <td>Sport</td>
    <td>Current Affairs</td>
  </tr>
```

# Spanning Rows

| 6pm - 7pm | Movie | Comedy | News |
|-----------|-------|--------|------|
| 7pm - 8pm |       | Sport  | Current Affairs |