



CSS

.....TOPICS, QUIZZES & EXPERIMENTS.....

Foundations of Web Front-end





Quiz 1

Various Ways of Applying Styles

CSS BASICS - VARIOUS WAYS OF APPLYING STYLES

- What are the 3 ways to include styles for an element?
- Which method of applying styles is preferred in each of these cases?
 - Styles that are to be applied across many pages in a web site
 - Styles restricted to the elements on one page of a web site

Experiment - 1

Various Ways of Applying Styles



CSS BASICS - VARIOUS WAYS OF APPLYING STYLES

Accelerate Consultancy Services Pvt. Ltd.

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About us

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Our Clients

[Home](#)[About us](#)[Our clients](#)

We cater to domains ranging from insurance to manufacturing, healthcare, retail and hospitality. [Vivamus suscipit tortor](#) eget felis porttitor volutpat. rutrum congue leo eget malesuada. Sed porttitor lectus nibh. Sed porttitor lectus nibh. [Mauris blandit aliquet](#) elit,. Some of our clients are

- Eget Tincidunt
- Pulvinar Praesent
- Sapien Massa
- Convallis a Pellentesque

CSS BASICS - VARIOUS WAYS OF APPLYING STYLES

- Develop the mini web site consisting of 3 pages - Home, About us and Our Clients.
- The links, navigation menu and first letter should be styled uniformly across the site as shown.
- Navigation menu is to be constructed using a `` (and ``s within it)
- The list of clients should be displayed with circle bullets.
- The menu link for the current page is highlighted in pink. Same background is to be used on hover over the links too.



Quiz 2

CSS Selectors

CSS BASICS - SELECTORS

- Form the selectors we would use in the following situations.
 - Style all paragraphs
 - Style all elements with class gallery-item that lie right within an element with class gallery
 - Style all elements with class gallery-img that lie deep within an element with class gallery
 - Style all password input elements
 - Style all spans with class product-name that lie within some div with class product
 - Style the last child of any kind of list
 - Style all elements on the page

CSS BASICS - SELECTORS

- Describe what these selectors select
 - `p.intro > a[href="https://www.google.com"]`
 - `a.btn.btn-primay`
 - `.highlighted:first-line`
 - `#primary-menu > li:hover a, #sub-menu > li:hover`
 - `#primary-menu > li:hover > #sub-menu`

Experiment - 2

Selectors



CSS BASICS - SELECTORS

- Design a collapsible panel as shown. A panel has a heading (in pink) and a body.
- The body of each panel is hidden by default. It shows up when the corresponding heading is hovered upon.
- Make sure to apply appropriate border, padding, background colour etc.
- Refer: https://developer.mozilla.org/en-US/docs/Web/CSS/Adjacent_sibling_selectors

Hover over me

Hover over me as well

Hover over me

Yay! You now see my contents.

Hover over me as well

Hover over me

Hover over me as well

Yay! You now see my contents as well.



Quiz 3

*Inheritance, Specificity and
Cascade*

CSS BASICS - INHERITANCE, SPECIFICITY AND CASCADE

- Which of these is inherited by child elements from parent?
 - color, border, font-size, padding, display, background-color (last one is tricky)
- How can we inherit border property's value from the parent?
- We would like to display 'Hello' in the default text color instead of red. How can this be done?

```
<p style="color: red;">
```

```
  <span _____="_____:_____">Hello</span>
```

```
</p>
```


CSS BASICS - INHERITANCE, SPECIFICITY AND CASCADE

- We have a span like so in our page. What is the color of the span in each case?

`Hello`

a) `<style>`

```
span { color: blue; }  
span { color: green; }  
</style>
```

b) `<style>`

```
.red { color: red; }  
span { color: blue; }  
span { color: green; }  
</style>
```

c) `<style>`

```
#my-span { color: gray; }  
.red { color: red; }  
span { color: blue; }  
span { color: green; }  
</style>
```

- Repeat the previous exercise when the span is defined as below instead.

`Hello`

CSS BASICS - INHERITANCE, SPECIFICITY AND CASCADE

- What is the specificity value for selectors in each of these cases? Which one will win in case of a CSS property conflict (for elements that match both selectors)? Assume order of selectors on the page is as shown below.
 - a) `.gallery > .gallery-item`
`ul.gallery > li`
 - b) `p > a.btn.btn-primary`
`p.cta > a.btn-primary`
 - c) `.introduction-section #buy-button`
`#introduction-section > .btn-primary`

Experiment - 3
Inheritance,
Specificity and
Cascade



CSS BASICS - INHERITANCE, SPECIFICITY AND CASCADE

- Open the supplied HTML file for exercise 3. It defines a button and imports styles from someframework.css.
- Override styles for the button so that the button text is capitalized rather than upper-cased. Make sure to do this using embedded/external styles rather than inline styles. A neat way to do this is to include your overrides after the framework file include (i.e. link tag).
- Change the background color for primary buttons to a shade of blue. Apply a darker shade of blue for the border. Apply a translucent blue shade for the shadow that appears on hover.
- At the end of the exercise the button should look like this.
- Try keeping the selectors of the overrides as close as possible to the ones in the framework CSS file.

SIGN ME UP

Sign Me Up



Quiz 4

Box Model

CSS BASICS - BOX MODEL

- What do width and height properties set dimensions for?
- How does setting box-sizing: padding-box change your answer for the above? What about box-sizing: border-box?

Experiment - 4

Box Model



CSS BASICS - BOX MODEL

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Quiz 5

Other CSS Properties

CSS BASICS - OTHER CSS PROPERTIES

- Background-related properties
- Text and font related properties
- Overflow related properties

Experiment - 5

Other CSS

Properties



CSS BASICS - OTHER CSS PROPERTIES

- Use the following image to design classes to show icons on a page

- The icons should be usable in this way

```
<i class="icon icon-linked-in"></i>
```

```
<i class="icon icon-facebook"></i>
```



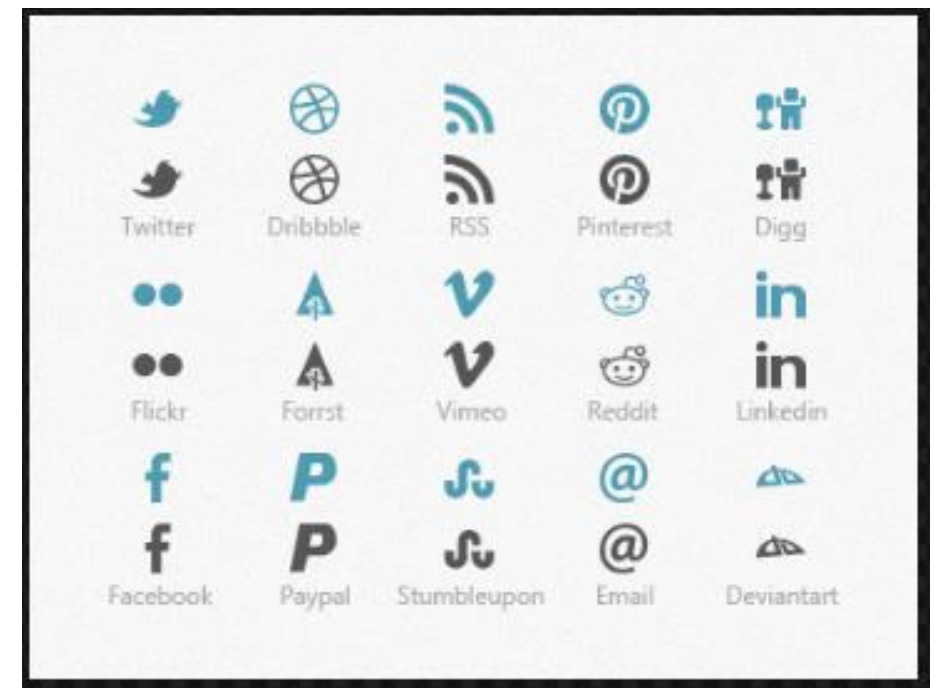
- How to do this...

- Define a class icon that

- Sets display to inline-block and set its height and width to the height and width of the icon. Set the image as background image.

- Define icon-linked-in and icon-facebook

- Use the background-position property to move the background image around so that the desired icon shows up inside the element as background.





Quiz 6

Layout Techniques

CSS BASICS - LAYOUT TECHNIQUES

- Design the layout as shown below. Use floats to manage the sidebar and main content.

ABC Consulting

- [Home](#)
- [About us](#)
- [Services](#)
- [Clients](#)
- [Contact us](#)

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Experiment - 6
Layout
Techniques



CSS BASICS - LAYOUT TECHNIQUES

- Design a 3-column layout as shown below. The entire content is to be 960px wide and entered on the viewport. Each column is 32% width of the row and there is a 2% margin between columns. The text within the columns is justified.

Our Services

Website Development

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Web Application Development

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Training and Consultancy

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Quiz 7

Media Queries and RWD

CSS BASICS - MEDIA QUERIES AND RWD



Experiment - 7

Media Queries

and RWD



CSS BASICS - MEDIA QUERIES AND RWD



ATTRIBUTIONS

- Abstract blue background from Freepik
http://www.freepik.com/free-vector/abstract-blue-background_859016.htm