

Frontend-Fundamentals-Final-Exam

Freitag, 29. März 2019

13:38

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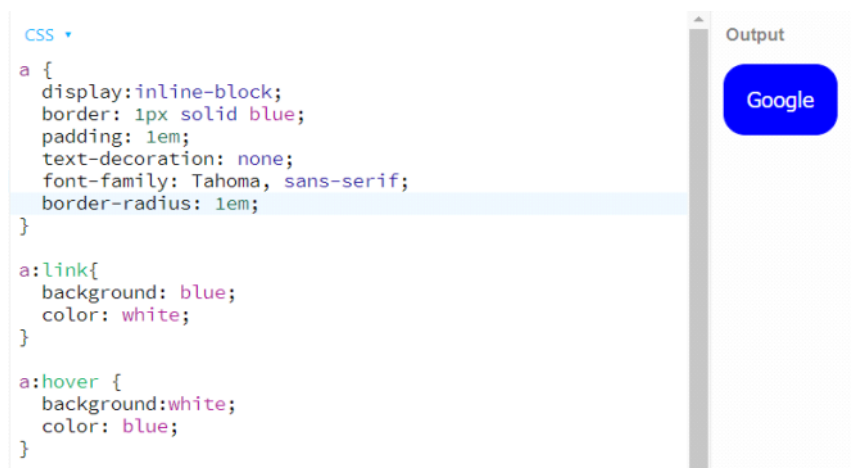
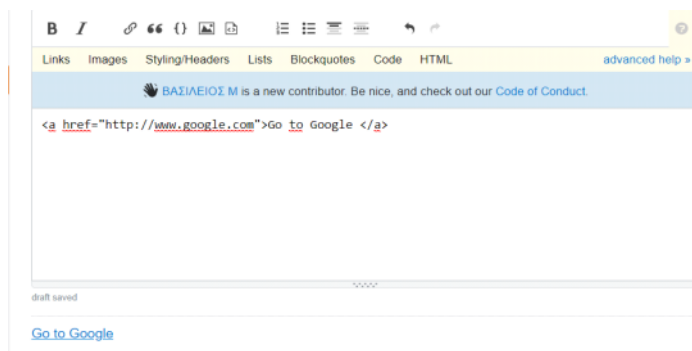
Question 1

Donnerstag, 28. März 2019

08:49



ANSWER:



Erfasster Bildschirmausschnitt: 28.03.2019 09:03

Question 2

Donnerstag, 28. März 2019 09:21

What methods of 'clearfix' can I use?



I have the age-old problem of a `div` wrapping a two-column layout. My sidebar is floated, so my container `div` fails to wrap the content and sidebar.

835



736

```
<div id="container">
  <div id="content"></div>
  <div id="sidebar"></div>
</div>
```

Erfasster Bildschirmausschnitt: 28.03.2019 09:22

ANSWER:

The screenshot shows a code editor with three panels: HTML, CSS, and a live preview. The HTML panel contains the following code:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>JS Bin</title>
</head>
<body>
  <header id="header">Header</header>
  <main class="container clearfix">
    <article id="main-content">Content</article>
    <aside id="sidebar">Sidebar</aside>
  </main>
  <footer id="footer">Footer</footer>
</body>
</html>
```

The CSS panel contains the following code:

```
#header {
  background: magenta;
}

#main-content {
  background: cyan;
  float: left;
  width: 66%;
  height: 200px;
}

#sidebar {
  background: yellow;
  width: 250px;
  float: right;
  height: 200px;
}

#footer {
  background: orange;
}

.clearfix::after {
  content: "";
  clear: both;
  display: table;
}
```

The live preview shows a two-column layout. The header is a magenta bar at the top. Below it, the main content area is divided into two columns: a cyan column on the left labeled 'Content' and a yellow column on the right labeled 'Sidebar'. At the bottom, there is an orange bar labeled 'Footer'.

Erfasster Bildschirmausschnitt: 28.03.2019 09:41

Question 3

Donnerstag, 28. März 2019 10:39

How do you get the footer to stay at the bottom of a Web page?

▲ 263 I have a simple 2-column layout with a footer that clears both the right and left div in my markup. My problem is that I can't get the footer to stay at the bottom of the page in all browsers. It works if the content pushes the footer down, but that's not always the case.

Erfasster Bildschirmausschnitt: 28.03.2019 10:44

ANSWER:

The screenshot shows a web development environment with three main panels: HTML, CSS, and a live preview. The HTML panel contains the following code:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>JS Bin</title>
</head>
<body>
  <header id="header">Header</header>
  <main class="container clearfix">
    <article id="main-content">
      Lorem ipsum dolor sit amet, consetetur sadipscing elit
      Duis autem vel eum iriure dolor in hendrerit in vulputate ve
      Ut wisi enim ad minim veniam, quis nostrud exerci tation ull
      Nam liber tempor cum soluta nobis eleifend option congue nih
      Duis autem vel eum iriure dolor in hendrerit in vulputate ve
      At vero eos et accusam et justo duo dolores et ea rebum. Ste
    </article>
    <aside id="sidebar">Sidebar</aside>
  </main>
  <footer id="footer">Footer</footer>
</body>
</html>
```

The CSS panel contains the following code:

```
#header {
  background: magenta;
}

#main-content{
  background: cyan;
  float:left;
  width: 60%;
  min-height: 200px;
}

#sidebar{
  background: yellow;
  width:250px;
  float:right;
  height: 200px
}

#footer {
  background: orange;
  position: sticky;
  bottom: 0;
  min-height: 100px;
}

.clearfix::after {
  content: "";
  clear: both;
  display: table;
}
```

The live preview panel shows the rendered page. It has a magenta header, a cyan main content area with two columns (one with Lorem ipsum text, the other with a yellow sidebar), and an orange footer at the bottom. The footer is positioned at the bottom of the page, even when the content is not enough to push it down.

Erfasster Bildschirmausschnitt: 28.03.2019 10:44

Question 4

Donnerstag, 28. März 2019 10:45

What's the difference between an id and a class?



What's the difference between `<div class="">` and `<div id="">` when it comes to CSS? Is it alright to use `<div id="">` ?

Erfasster Bildschirmausschnitt: 28.03.2019 10:49

ANSWER:

Class selector can be used to as many tags as possible to apply the same properties that class-selectors

ID-Selectors can only be used once to indicate unique and distinct tags such as home, about, widget-area, articles, etc.

Question 5

Donnerstag, 28. März 2019 10:49

Select every Nth element in CSS

Erfasster Bildschirmausschnitt: 28.03.2019 10:54

ANSWER:

```
>ul:li-nth-child(even), ul:li-nth-child(odd) { }
```

Question 6

Donnerstag, 28. März 2019 10:57

CSS Child vs Descendant selectors

Erfasster Bildschirmausschnitt: 28.03.2019 10:57

ANSWER:

Descendant selectors means that a selector has not only children, but also grandchildren-selectors and beyond

<pre><article> <div class="children"> I am children <div class="grandchildren"> I am grandchildren <div class="grand2xchildren"> I am grand2xchildren </div> </div> </div> </article></pre>	<pre>Article div { color: red; }</pre>	<p>I am children</p> <p>I am grandchildren</p> <p>I am grand2xchildren</p>
---	--	--

Children selectors targets only the selector directly underneath them which is only their children

<pre><article> <div class="children"> I am children of article <div class="grandchildren"> I am grandchildren <div class="grand2xchildren"> I am grand2xchildren </div> </div> </div> </article></pre>	<pre>Article div { color: red; } Article>div.children { color: green; }</pre>	<p>I am children of article</p> <p>I am grandchildren</p> <p>I am grand2xchildren</p>
--	---	---

Question 7

Donnerstag, 28. März 2019 11:08

What is the difference between Normalize.css and Reset CSS?

Erfasster Bildschirmausschnitt: 28.03.2019 11:12

ANSWER:

Reset CSS unstyle every properties of every tags that html

While Normalize CSS doesn't unstyle every tags, but only changing styling properties of certain tags just to improve the look of tags and web-page without writting too much css and make them supported by almost every browsers. It corrects some common bugs that are out of scope for reset.css.

Aus <<https://stackoverflow.com/questions/6887336/what-is-the-difference-between-normalize-css-and-reset-css>>

Question 8

Donnerstag, 28. März 2019 11:18

CSS Margin Collapsing



So essentially does margin collapsing occur when you don't set any margin or padding or border to a given div element?

Erfasster Bildschirmausschnitt: 28.03.2019 11:19

ANSWER:

Margins from left and right doesn't collapse. But the Margins from top and bottom does to avoid unnecessary white space

Question 9

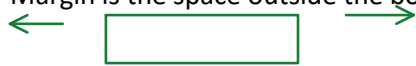
Donnerstag, 28. März 2019 11:23

Difference between margin and padding?

Erfasster Bildschirmausschnitt: 28.03.2019 11:23

ANSWER

Margin is the space outside the border box



Padding is the space inside the border box to put the text further away from the borderline



Question 10

Donnerstag, 28. März 2019 11:29

CSS to increase size of first word



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This one has me kind of stumped. I want to make the first word of all the paragraphs in my #content div at 14pt instead of the default for the paragraphs (12pt). Is there a way to do this in straight CSS or am I left wrapping the first word in a span to accomplish this?

Erfasster Bildschirmausschnitt: 28.03.2019 11:31

ANSWER

```
Article p::first-word {  
    Font-size: 14px;  
}
```