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Introduction to Programming Using HTML and CSS

Exam F

QUESTION 1 HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, elect No.

NOTE: Each correct selection is worth one point.



<https://vceplus.com/> Hot Area:

Answer Area



Yes

No

A relative link requires that you use a protocol and server path

☐☐

You can link requires to a document in a subdirectory of the current webpage by specifying only the subdirectory name and the filename

☐☐

You can use a relative link to reference images files from a repository on a different server

☐☐

The following example of how you format an absolute link:
`https: / /www.contoso.com/products.html`

☐☐

Correct Answer:

Answer Area

Yes

No

A relative link requires that you use a protocol and server path

☐
☒

You can link requires to a document in a subdirectory of the current webpage by specifying only the subdirectory name and the filename

☒
☐

You can use a relative link to reference images files from a repository on a different server

☒
☐

The following example of how you format an absolute link:

`https: / /www.contoso.com/products.html`

☒
☐

Section: (none)

Explanation



Explanation/Reference:

References:

<https://www.navegabem.com/absolute-or-relative-links.html> <https://mor10.com/html-basics-hyperlink-syntax-absolute-relative-and-root-relative/> <https://kb.iu.edu/d/abwp>

QUESTION 2

DRAG DROP

You are creating a page on your personal website to display your family portrait. You need to make sure that browsers display the text Family Portrait before the photo is downloaded.

How should you complete the markup? To answer, drag the appropriate markup segment from the column on the left to its correct position on the right. Each markup segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

Correct Answer:

HTML Segments

img	picture	src
href	alt	title

Answer area

< ="portrait.png" =<"Family I

HTML Segments

<input type="text"/>	picture	<input type="text"/>
href	<input type="text"/>	title

Answer area

< ="portrait.png" =<"Family I

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/tags/tag_img.asp

QUESTION 3

DRAG DROP

You want to complete the pseudo class for link elements so that the links appear red when the page loads, green when the link is clicked, orange when the cursor moves over the link, and blue if the link was clicked previously.

How should you complete the code? To answer, drag the appropriate CSS selector to the correct locations. Each selector may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

CSS Selectors



Answer Area

Correct Answer:

CSS Selectors





Answer Area

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/cssref/css_selectors.asp

QUESTION 4

You are designing a website for City Power & Light.

You write the following markup. Line numbers are included for reference only.

```
01 <! DOCTYPE html>
02 <html>
03   <head>
04     <title>City Power & Light</title>
05   </head>
06   <body>
07     <p>Welcome to City Power & Light. </p>
08   </body>
09 </html>
```



What style will be used to render the code?

- A. The browser default style will be used.
- B. An inline style will be used.
- C. An international style will be used.
- D. An external style will be used.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/cssref/css_default_values.asp

QUESTION 5

HOTSPOT

The external stylesheet named mystyles.css contains the following three rules.

```
h1 { color : blue; }  
h2 { color : purple; }  
p { color : grey ;}
```

The head section of a webpage contains the following markup:

```
<link    rel= "stylesheet"    type= "text/css"    href=  
"mystyles.css">  
<style>  
    h1 { color : maroon ; }  
    h2 { color : blue ; }  
    p { color : black ; }  
</style>
```



The following elements appear within the body of the webpage:

```
<h1 style= "color : black ;"> AdventureWorks Presents/h1>  
<h2>Rock Climbing 101</h2>  
<p style= "color : blue ;" >Coming soon!</p>  
<h1>Awards</h1>  
<p>Certificates will be awarded in June. </p>
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point

Hot Area:

Answer Area

Yes

No

“Certificates will be awarded in June”. Is displayed in grey.

☐
☐

“Coming soon!” is displayed in blue.

☐
☐

“Awards” is displayed in maroon.”

☐
☐

“Rock climbing 101” is displayed in purple”.

☐
☐

Correct Answer:

Answer Area



Yes

No

“Certificates will be awarded in June”. Is displayed in grey.

☐
☒

“Coming soon!” is displayed in blue.

☒
☐

“Awards” is displayed in maroon.”

☒
☐

“Rock climbing 101” is displayed in purple”.

☐
☒

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/css/css_howto.asp

QUESTION 6

Analyze the following CSS for a webpage:



```
<!Doctype html>
<html>
  <head>
    <style>
      p {
        background-color : blue;
      }
      .light {
        background-color : yellow;
      }
      .light p {
        Background-color : green;
      }
    </style>
  </head>
  <body>
    <div class= "light" style= "background-color:pink">
      <p>This is some sample text</p>
    </div>
  </body>
</html>
```

What is the resulting background color of the paragraph element?



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- A. Pink
- B. Blue
- C. Yellow
- D. Green

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/tags/tag_div.asp

QUESTION 7

You are building a website and want to have three main links called Home, Product Info, and Contact Us. You will create a hierarchy of page elements and revise the stylesheets.

You want to apply a style to all elements in a document.

Which type selector should you use?

- A. +
- B. >
- C. :
- D. *

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/cssref/sel_all.asp

QUESTION 8

DRAG DROP

You are designing a website for Margie's Travel. The website uses external stylesheets.

You need to create a style that centers all h1 elements on the page.

How should you complete the code? To answer, drag the appropriate code segment to the correct location in the code. Each code segment may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content. text-align center h1 = ; .h1 **Select and Place:**

Correct Answer:

Section: (none)

Explanation

Answer area

text-align	:
center	;
h1	.h1
=	

{					
---	--	--	--	--	--

Explanation/Reference:

References: https://www.w3schools.com/css/css_syntax.asp

Answer area

		h1	{	text-align	:		center	;
		.h1						
=								

QUESTION 9 HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

A CSS comment starts with /* and ends with */.

Percent and EM are relative measurements and the size of each depends upon its parent.

Pixels are recommended units for specifying size.

The font-family attribute helps ensure maximum compatibility between web browsers.

Yes

No

☐
☐
☐
☐
☐
☐
☐
☐

Correct Answer:

Answer Area

Yes

No

A CSS comment starts with /* and ends with */.

☒☐

Percent and EM are relative measurements and the size of each depends upon its parent.

☐☒

Pixels are recommended units for specifying size.

☐☒

The font-family attribute helps ensure maximum compatibility between web browsers.

☐☒

Section: (none)

Explanation

Explanation/Reference:

References:

<https://www.xanthir.com/b4U10>

<https://www.w3.org/Style/Examples/007/units.en.html>

https://www.w3schools.com/css/css_font.asp

QUESTION 10 HOTSPOT

You define the following styles in a style block:

```
<style>
  #style1 {
    color: red;
    font-size: 30px;
  }
  #style2 {
    color : blue ;
    font-size : 40px;
  }
  #style3 {
    color : green
    font-size : 20px;
  }
</style>
```



You write the following HTML:

```
01  <body style= "color : purple; font-size: 10px;">
02      <p id= "style1">Fasten your seat belt < / p>
03      <p>Look both ways before pulling out. < / p>
04      <p id= "style3" style= "color : red;" >Watch your
speed. < / p>
05      <p style= "color : green; font-size : 20px ;" >Be
ready to stop. < / p>
06      <p style= "color : red;">Study the rules of the
road. < / p>
07      <p style= "font-size : 30px; " > You'll be driving
in no time. < / p>
08  < /body>
```



Use the drop-down menus to select the answer choice that answers each question based on the information presented in the CSS style and markup.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Line 02 displays text in which color?

	▼
red	
blue	
green	
purple	

Line 02 displays text in which font size?

	▼
pixels 20	
pixels 30	
pixels 40	
pixels 10	

Line 03 displays text in which color?

	▼
red	
blue	
green	
purple	

Correct Answer:



Answer Area

Line 02 displays text in which color?

	▼
red	
blue	
green	
purple	

Line 02 displays text in which font size?

	▼
pixels 20	
pixels 30	
pixels 40	
pixels 10	

Line 03 displays text in which color?

	▼
red	
blue	
green	
purple	

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/html/html_css.asp

QUESTION 11

DRAG DROP

You are creating a website for Northwind Traders appear on the browser tab. There will also be a paragraph that greets users to the site.

You need to crate the structure of the website.

In which order should you arrange the markup segments to develop the solution? To answer, move all markup segments from the list of markup segments to the answer area and arrange them in the correct order.



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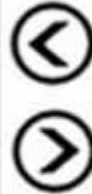


Select and Place:

Markup Segments

<code></head></code>
<code></body></code>
<code><p>Welcome to the Northwind Traders website.</p></code>
<code><title>Northwind Traders</title></code>
<code></ html></code>
<code><html></code>
<code><head></code>
<code><!DOCTYPE html ></code>
<code><body></code>

Answer Area



Correct Answer:

Markup Segments

Answer Area

<!DOCTYPE html >
<html>
<head>
<title>Northwind Traders</title>
</head>
<body>
<p>Welcome to the Northwind Traders website.</p>
</body>
</ html>

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/howto/howto_make_a_website.asp

QUESTION 12

DRAG DROP

You are creating a simple HTML page that displays the text, Hello World. You must ensure that the markup is well-formed and conforms to industry best practices.

How should you construct the page? To answer, drag the appropriate HTML tags to the correct HTML tags to the correct HTML tag locations. Each tag may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

HTML Tags

body	html
DOCTYPE html!	head

Answer area

<		>
<		>
<		>
Hello World		
</		>
</		>



Correct Answer:

HTML Tags

body	html
DOCTYPE html!	head

Answer area

<	DOCTYPE html!	>
<	html	>
<	body	>
Hello World		
</	body	>
</	html	>



Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/tags/tag_body.asp

QUESTION 13

DRAG DROP

You are designing a webpage for Contoso by using HTML.

You need to create content for the head section.

Which four markup segments should you use? To answer, move the appropriate markup segments from the list of markup segments to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

Markup Segments

```
<meta charset= "utf-8">
```

```
<!DOCTYPE html >
```

```
<title> About Contoso</title>
```

```
<header>New Realeses</header>
```

```
<head/>
```

```
<h3>Contact Us</h3>
```

```
<head>
```

```
<"meta enctype="utf-8>
```

Answer Area



Correct Answer:

Markup Segments

<meta charset= "utf-8">

<header>New Realeses</header>

<h3>Contact Us</h3>

<"meta enctype="utf-8">

Answer Area

<!DOCTYPE html >

<head>

<title> About Contoso</title>

<head/>



Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/html/html_head.asp **QUESTION 14**

DRAG DROP

You are creating a home page for Blue Yonder Airlines. The page will use JavaScript. If a browser does not support JavaScript, the following message must be displayed:

Your browser does not support JavaScript!

For the Blue Yonder Airlines home page, match the metadata element to the content or attribute-value pair. To answer, drag the appropriate metadata element from the column on the left to its content or attribute-value pair on the right. Each metadata element may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

<code><script></code>	<code><meta></code>	href= "style.css"	
<code><title></code>	<code><noscript></code>	src=" _js/form . js"	
	<code><base></code>	Blue Yonder Airlines	
		Your browser does not support JavaScript!	

Correct Answer:

Answer Area

	<code><meta></code>	href= "style.css"	<code><base></code>
		src=" _js/form . js"	<code><script></code>
		Blue Yonder Airlines	<code><title></code>
		Your browser does not support JavaScript!	<code><noscript></code>

Section: (none)

Explanation

Explanation/Reference:

References: <https://www.w3schools.com/tags/default.asp>

QUESTION 15

HOTSPOT

You are designing a webpage for your company. The page must be responsive so that it can be viewed on both mobile and desktop browsers.

On mobile browsers, or those with a screen width of less than 768 pixels you want to display a welcome background image named SmalLogo.png. On all other browsers, you want to display a welcome background image named NormalLogo.png.

How should you complete the code? To answer, select the appropriate code segment in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

```

.welcome {
    background-image : url (  );
                                

NormalLogo.png
                                    SmallLogo.png


}

@media only screen and (  :768px ) {
    .welcome {
        Background-image: url (  );
                                    

NormalLogo.png
                                        SmallLogo.png


    }
}

```

Correct Answer:

Answer Area

```

.welcome {
    background-image : url (  );
                                

NormalLogo.png
                                    SmallLogo.png


}

@media only screen and (  :768px ) {
    .welcome {
        Background-image: url (  );
                                

NormalLogo.png
                                    SmallLogo.png


    }
}

```

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/cssref/css3_pr_mediaquery.asp

QUESTION 16

HOTSPOT

A webpage contains the following HTML:

```

01 <div style = "position:relative;display:inline:">Welcome!</div>
02 <div style = "position:relative;display:inline;">
03     How is the Internet different from the Web?
04     <img src = "icon.jpg" alt= "TCP/IP icon" style= "float:
left; height: 200px;" < /img>
05     <p> The Internet is a network of networks, defined by the
TCP/IP standards. </p>
06     <p> The Web is an information space. </p>
07 </div>

```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Yes

No

Line 03 will display next to Line 01.

☐
☐

The image will display beneath the text on Line 03.

☐
☐

Lines 05 and 06 display beneath the image.

☐
☐

Correct Answer:

Answer Area

Yes

No

Line 03 will display next to Line 01.

☒
☐

The image will display beneath the text on Line 03.

☒
☐

Lines 05 and 06 display beneath the image.

☒
☐

Section: (none)

Explanation



Explanation/Reference:

References: https://www.w3schools.com/css/css_positioning.asp

QUESTION 17

This question requires that you evaluate the underlined text to determine if it is correct.

You are reviewing a stylesheet created by a member of your team. The stylesheet includes a style that is defined as follows:

```
.product {
  color: #000000;
  background-color: #00FF00;
}
```

You apply the `productBox` style to a `<div>`.

The `<div>` will be displayed with white text on a green background.

Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.



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- A. No change is needed.
- B. white text on a red background.
- C. black text on a green background.
- D. black text on a blue background.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/colors/colors_shades.asp



QUESTION 18

HOTSPOT

You are creating an About Us webpage for Northwind Traders. You want to complete the CSS rule set to display the paragraph as shown in the following example:



How should you complete the code? To answer, select the appropriate CSS properties in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

<style>

p {

color : #000ff;

color
font-variant
border-color : 1.5em;
background-color

position : 50px;

position
line-height
text-indent
letter-spacing

font-size : 1.5em ;

font-size
font-variant
font-weight

font-style : italic;

font-style
font-family
font-variant
font-weight

Correct Answer:



Answer Area

<style>

p {

color : #000ff;

color
font-variant
border-color : 1.5em;
background-color

line-height : 50px;

position
line-height
text-indent
letter-spacing

font-size : 1.5em ;

font-size
font-variant
font-weight

font-style : italic;

font-style
font-family
font-variant
font-weight

Section: (none)

Explanation

Explanation/Reference:

References: <https://www.w3schools.com/cssref/default.asp>

QUESTION 19

HOTSPOT

You are analyzing the following CSS for an element on a page:

```
background: #0000FF url("Watermark.png") repeat-x right;
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Hot Area:

Answer Area



Yes

No

The background of the page will be red.

☐☐

The page will display the watermark multiple times horizontally starting at the right.

☐☐

Correct Answer:

Answer Area

Yes

No

The background of the page will be red.

☐☒

The page will display the watermark multiple times horizontally starting at the right.

☐☒

Section: (none)

Explanation

Explanation/Reference:

References:

https://www.w3schools.com/cssref/pr_background-repeat.asp

https://www.w3schools.com/cssref/pr_pos_right.asp

QUESTION 20

This question requires that you evaluate the underlined text to determine if it is correct.

Static positioning places an element at specific coordinates relative to the page or the element's container.

Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed
- B. Absolute positioning
- C. Relative positioning
- D. Fixed positioning



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/css/css_positioning.asp

QUESTION 21

DRAG DROP

You need to create a stylesheet that will cause all `h1` header text to appear in blue, using the Arial font with a size of 20 pixels. The text should always be bold and center-aligned.

How should you complete the code? To answer, drag the appropriate CSS property to the correct locations. Each property may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



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Select and Place:



CSS Properties

| |
|------------------------|
| color: |
| font-family: |
| font-size: |
| font-style: |
| font-weight: |
| text-align: |
| text-decoration-color: |
| vertical-align: |

Answer area

```
h1
{
    [ ] blue;
    [ ] arial;
    [ ] 20px;
    [ ] bold;
    [ ] center;
}
```

Correct Answer:

CSS Properties

font-style:

text-decoration-color:

vertical-align:

Answer area

```
h1
{
    color: blue;
    font-family: arial;
    font-size: 20px;
    font-weight: bold;
    text-align: center;
}
```

Section: (none)

Explanation

Explanation/Reference:

References: <https://www.w3schools.com/cssref/default.asp>

QUESTION 22

HOTSPOT

You are designing a webpage for your company. You want to display an image named contoso.png on the page. If the user's Internet connection is slow, or if the user is visually impaired, you want the text Contoso Logo to be displayed or read aloud.

How should you complete the markup? To answer, select the appropriate markup segments in the answer area.

Hot Area:

Correct Answer:

Answer Area

< = "contoso.png" = "Con

| | | |
|---------|--------|-------|
| img | src | alt |
| picture | srcset | title |

Answer Area

< = "contoso.png" = "Con

| | | |
|---------|--------|-------|
| img | src | alt |
| picture | srcset | title |

Section: (none)

Explanation

Explanation/Reference:

References: <https://www.w3schools.com/tags/default.asp>

QUESTION 23

DRAG DROP

You are creating a web page that displays a How-To video. When accessing the video, the user must be able to play, pause, and seek. The file name of the video is HowTo.mp4, and exists in the same folder as the webpage.

If the user's browser does not support HTML5, the page must display this message: Your browser does not support playing this video.

How should you construct the markup? To answer, drag the appropriate markup segments to the correct locations. Each markup segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

Correct Answer:

Section: (none)

Explanation

Markup Segments

source

source controls

<source src= "HowTo.mp4" type= "video/mp4" >

video

video controls

< video src= "HowTo.mp4" type= "video/mp4" >

Your browser does not support playing this video

Answer Area

<

</

Explanation/Reference:

References: https://www.w3schools.com/tags/tag_video.asp

Markup Segments

source

source controls

< video src= "HowTo.mp4" type= "video/mp4" >

Answer Area

< video controls

<source src= "HowTo.mp4" type= "video/mp4" >

Your browser does not support playing this v

</ video

QUESTION 24 HOTSPOT

You need to display an image of an HTML5 logo in one of your webpages. If the page renders slowly, the text "HTML Icon" should display as the image loads.

How should you complete the markup? The answer, select the appropriate markup segments in the answer area.

Hot Area:

Answer Area

| | | |
|--------|--------|-------|
| figure | href | alt |
| img | src | name |
| div | target | title |

= "html15.gif" = "HTML5"

Correct Answer:

Answer Area

| | | |
|--------|--------|-------|
| figure | href | alt |
| img | src | name |
| div | target | title |

= "html15.gif" = "HTML5"

Section: (none)

Explanation

Explanation/Reference:

References: https://www.w3schools.com/tags/att_img_width.asp



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