**HTML**

1. What is the right code for creating the smallest heading possible.

<h7>Heading</h7>

**<h6>Heading</h6>**

<h8>Heading</h8>

1. Create a paragraph with a line break inside.

**<p>some text some text <br />some text some text </p>**

<p>some text some text <break/>some text some text </p>

<p>some text some text <br some text some text > </p>

1. Create a link to the wikipedia home page.

<a src="http://www.wikipedia.org">link</a>

<link href="http://www.wikipedia.org">link</link>

**<a href="http://www.wikipedia.org">link</a>**

1. Create an image using a file picture.jpg in the same directory of the current html file and set the image width and height to 200px and 150px.

<img src="picture.jpg" width="200px" height="150px"></img>

**<img src="picture.jpg" width="200px" height="150px">**

<img href="picture.jpg" width="200px" height="150px">

<img src="picture.jpg">width="200px" height="150px"</img>

1. Which tag would you use to make a word struck through?

<struck></struck>

<s></s>

**<strike></strike>**

**CSS**

1. Create a paragraph and make text green and font-size 30px using inline CSS.

<p color:green font-size:30px>  
Deciding what not to do is as important as deciding what to do.  
</p>

**<p style="color:green; font-size:30px">  
Deciding what not to do is as important as deciding what to do.  
</p>**

<p color = "green" font-size ="30px">  
Deciding what not to do is as important as deciding what to do.  
</p>

1. How would you link an HTML element to an external CSS file named style.css and located in a folder called css in the same directory as the HTML file?

**<link rel="stylesheet" type="text/css" href="css/style.css">  
This code goes in the head section of the HTML file.**

<link rel="stylesheet" type="text/css" href="css/style.css">  
This code goes in the body section of the HTML file.

1. How would you select an HTML element of class yellowbox using internal CSS.

**.yellowbox**

#yellowbox

class yellowbox

1. Style the element of id home with a green background and make it float to the left.

#home{  
background-color: green;  
floating: left;  
}

**#home{  
background-color: green;  
float: left;  
}**

#home{  
color: green;  
float: left;  
}

1. Make the element of id bluebox disappear in a way that other elements around behave as if it is still existing in the page.

#bluebox { display: none}

**#bluebox { visibility: hidden}**

**Maths Website**

1. How would you select the last child of an unordered list which is located inside an element of id menu using css.

**#menu ul li:last-child**

#menu ul:li:last-child

#menu:ul li:last-child

1. Style all active links and links with hover state with a bold font.

a:hover + a.active{  
font-weight: bold;  
}

a:hover, and a.active{  
font-weight: bold;  
}

**a:hover, a.active{  
font-weight: bold;  
}**

**Javascript**

Question 1:

Create a variable username equal to a string "John".

username = "John";

string username = "John";

**var username = "John";**

Question 2

var x = 3;

x++;

var y = 7;

var z = x + y;

Following the above javascript code, what is the value of z?

10

**11**

12

Question 3:

function greeting(){

window.alert('Hello!');

}

Following the above javascript code, how would you call the function greeting?

greeting;

**greeting();**

function greeting();

Question 4

var shoppingList = ["eggs", "banana", "apple"];

Following the Javascript code above, how do you get the second element of the list?

**shoppingList[1]**

shoppingList[2]

Question 5:

How would you select an html element of id "facebook"

**document.getElementById("facebook")**

document.getelementbyid("facebook")

document.getElement(id = "facebook")

**Maths Game:**

1. How would you hide the element of id "apple" using Javascript Code

document.getElementById("apple").display = "none";

**document.getElementById("apple").style.display = "none";**

document.getElementById("apple").style= "hidden";

1. How would you add a variable x at the end of the array answers using Javascript code?

answers.add(x);

**answers.push(x);**

answers.insert(x);

**jQuery:**

1. How would you select the element of id facebook using jQuery?

$("facebook")

**$("#facebook")**

$(#facebook)

1. Select the elements of Class "bluebox" and change their background color to #6acb57.

$(".bluebox").css("background-color") = "#6acb57"

$(".bluebox").css("backgroundColor","#6acb57");

**$(".bluebox").css("background-color","#6acb57");**

1. Using jQuery, how can you hide an element of id facebook?

**$("#facebook").hide();**

$("#facebook").display("none");

$("#facebook").display("hidden");

1. Using jQuery, how would you change the html content of a div of id apple to <p>This is a paragraph</p> ?

$("#apple").innerHTML("

This is a paragraph

");

**$("#apple").html("**

**This is a paragraph**

**");**

$("#apple").html = "

This is a paragraph

";

1. How would you create an animation using jQuery where the element of id facebook changes its height to 300px slowly.

$("#facebook").height("300px", slow);

**$("#facebook").animate({  
height:'300px'}  
, "slow");**

$("#facebook").animation({  
height:'300px'}  
, "slow");

**Fruits Slice Game:**

1. How would you embed an audio file with two formats mp3 and ogg to an html page.

<audio id="slicesound" src="audio/slicefruit.mp3" src="audio/slicefruit.ogg">  
</audio>

**<audio id="slicesound">  
<source src="audio/slicefruit.mp3"></source>  
<source src="audio/slicefruit.ogg"></source>  
</audio>**

1. How would you play an audio element of id "slicesound"?

document.getElementById("slicesound").playsound();

**document.getElementById("slicesound").play();**

**Twitter Bootstrap**

1. Which class would you use for a full width container?

.container

**.container-fluid**

1. Using the bootstrap grid system, create a row of two divs with the first div occupying 8 columns and the second div occupying 4 columns in medium devices and beyond.

<div class="row">  
<div class="col-md8">  
some text  
</div>  
<div class="col-md4">  
some text  
</div>  
</div>

**<div class="row">  
<div class="col-md-8">  
some text  
</div>  
<div class="col-md-4">  
some text  
</div>  
</div>**

<div class="row">  
<div class="col-medium-8">  
some text  
</div>  
<div class="col-medium-4">  
some text  
</div>  
</div>

1. How would you make an image circular?

class="img-circular"

**class="img-circle"**

class="circle"

1. How would you create a black navigation bar?

**<nav class="navbar navbar-inverse">**

<nav class="navbar navbar-default">

1. How would you add a tooltip to a link and place it on the right?

<a href="http://www.google.com" title="Google" toggle="tooltip" placement="right">link</a>

**<a href="http://www.google.com" title="Google" data-toggle="tooltip" data-placement="right">link</a>**

**App Landing Page:**

1. How would add a cover background picture to a div of class featured and set fit the image to the same height and width of the div.

.featured{

background: url(image.jpg);

background-size: 100%;

}

**.featured{**

**background: url(image.jpg);**

**background-size: 100% 100%;**

**}**

1. How would you use CSS media queries to set a new style for device between 480px and 768px widge?

@media (width-min: 480px) and (width-max: 768px){

.logo{

width: 50px;

height: 50px;

}

​}

**@media (min-width: 480px) and (max-width: 768px){  
.logo{**

**width: 50px;**

**height: 50px;**

**}**

**​}**

**Company Website:**

1. The following code is used to create a collapsible navigation bar:

<nav role="navigation" class="navbar navbar-inverse">

<div class="container-fluid">

<div class="navbar-header">

<a class="navbar-brand" href="#"><img src="images/weblogo.png" class="logo"></a>

<button type="button" data-target="#navbarCollapse">

<span class="sr-only">Toggle navigation</span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

</div>

<div class="navbar-collapse collapse" id="navbarCollapse">

<ul class="nav navbar-nav">

<li><a href="#">Home</a></li>

<li><a href="#">About</a></li>

<li><a href="#">Portfolio</a></li>

<li><a href="#">Contact</a></li>

</ul>

</div>

</div>

</nav>

What is missing in the button tag: <button type="button" data-target="#navbarCollapse"> ?

class="navbar-toggle"

**class="navbar-toggle" data-toggle="collapse"**

data-toggle="collapse"

1. In the following code:

body{

font-family: Arvo, serif;

background: url(http://freenaturestock.s3.amazonaws.com/232.jpg) no-repeat center center;

background-attachment: ??;

background-size: cover;

}

what value should be given to the background-attachment property so that the background image if fixed when the user scrolls through the page?

true

**fixed**

**Our Lovely Course:**

1. The following code is used to embed a video to a webpage:

<video id="bgvideo">

<source src="images/nature%20video.mp4" type="video/mp4">

</video>

What would you add to the video tag to mute the video and make it autoplay in loops?

autoplay loop mute

auto loop mute

**autoplay loop muted**

1. The following CSS code is used to style a video which is used as a fixed background in a webpage:

video#bgvideo{

min-height: 100%;

min-width: 100%;

z-index: -100;

}

What is missing?

background-attachment: fixed

**position: fixed;**

**Stopwatch:**

1. Which syntax would you use to reload the current webpage?

**location.reload();**

window.reload();

location.refresh();

1. What is the result of the following code:

$(myLapDetails).prependTo("#laps");

The html content of myLapDetails will be added at the end of the element of id #laps

**The html content of myLapDetails will be added at the beginning of the element of id #laps**

The html content of myLapDetails will be inserted just before the element of id #laps

**Drawing App:**

1. How would you store a string "somedata" inside a variable x using HTML5 local storage?

localStorage.setItem(x, "somedata");

**localStorage.setItem("x", "somedata");**

localStorage.x = "somedata";

1. The getContext() method of canvas returns:

a string

**an object**

an html element

**PHP:**

1. PHP stands for:

**HyperText Preprocessor**

Personal Home Page

1. Which of the following statements is not correct:

A variable should start with the $ sign followed by the variable name

A variable name cannot start with a number

**Variable names are case-insensitive**

1. What is the correct syntax for adding two strings?

$string3 = $string1 + $string2

**$string3 = $string1 . $string2**

1. What is the correct syntax for creating a constant?

**define("USERNAME", "buenosdias”);**

define("username", "buenosdias”);

setConstant("USERNAME", "buenosdias”);

1. What is the correct syntax for setting a session variable?

**$\_SESSION["username"] = "John";**

$SESSION["username"] = "John";

$\_SESSION.username = "John";

**MySQL:**

1. What is the right syntax to connect to a database?

**mysqli\_connect(host, username, password, dbname);**

mysqli\_connect(host, dbname ,username, password);

mysqli\_connect(username, password);

1. Which query would you use to add a new row to a database table users consisting of four columns: firstname, lastname, email, and password?

$sql = "INSERT INTO users (firstname, lastname, email, password) ('Mark', 'Zuckerberg', 'M.zuckerberg@gmail.com', 'password')";

**$sql = "INSERT INTO users (firstname, lastname, email, password) VALUES ('Mark', 'Zuckerberg', 'M.zuckerberg@gmail.com', 'password')";**

$sql = "INSERT ('Mark', 'Zuckerberg', 'M.zuckerberg@gmail.com', 'password') INTO users (firstname, lastname, email, password)";

1. Which query would you use to change the lastname to Wilson for all users named Peter and having an email address: [Taylor.ztest@gmail.com](mailto:Taylor.ztest@gmail.com)?

$sql = "UPDATE users SET lastname='Wilson' FOR firstname='Peter' AND email='Taylor.ztest@gmail.com'";

$sql = "CHANGE users SET lastname='Wilson' WHERE firstname='Peter' AND email='Taylor.ztest@gmail.com'";

**$sql = "UPDATE users SET lastname='Wilson' WHERE firstname='Peter' AND email='Taylor.ztest@gmail.com'";**

1. Which query would you use to delete all records from the users table having a firstname George?

$sql = "DELETE RECORDS FROM users WHERE firstname='George'";

**$sql = "DELETE FROM users WHERE firstname='George'";**

$sql = "DELETE ROWS FROM users WHERE firstname='George'";

1. Which query would you use to delete the whole table users?

**$sql = "DROP users";**

$sql = "DELETE users";

$sql = "DROP TABLE users";

**WordPress:**

1. How would you install a new theme from the WordPress theme directory?

**Login to your side admin page, go to Appearance -> Themes -> Add New**

Login to your side admin page, go to Plugins

Login to your side admin page, go to Widgets

1. What is a Wordpress plugin?

**It is a piece of software that can be uploaded to extend and expand the functionality of your WordPress site.**

It is a template which gives a new look to your Wordpress site.

**Google Maps:**

1. The following code is used to embed a map to a website:

//set map options

var myLatLng = {lat: 51.5, lng: -0.1};

var mapOptions = {

center: myLatLng,

zoom: 7,

mapTypeId: google.maps.MapTypeId.SATELLITE };

//create map

var map = new google.maps.Map(document.getElementById('map'), mapOptions);

How would you set the mapTypeId upon map construction to ROADMAP?

map.MapTypeId = google.maps.MapTypeId.ROADMAP;

**map.setMapTypeId(google.maps.MapTypeId.ROADMAP);**

map.setMapTypeId(ROADMAP);

1. The following code is used to add a marker to a map:

//create marker

var markerOptions = {

position: myLatLng,

map: map,

title: "This is London",

draggable: true}

var marker = new google.maps.Marker(markerOptions);

What would you add to the marker Options to create a drop animation?

animation: DROP

**animation: google.maps.Animation.DROP**

drop: true

1. Following is a simple request to calculate the route between New York and Toronto:

var request = {

origin: "New York",

destination: "Toronto"

}

What would you need to add to the request to set the travel mode to driving?

travelMode: google.maps.Travel.Mode.DRIVING

**travelMode: google.maps.TravelMode.DRIVING**

travelMode: google.maps.TravelMode.DRIVE

**Distance between cities:**

1. The following code uses the Google Maps autocomplete feature on the input of id “from”:

var options = { types: ?}

var input = document.getElementById("from");

var autocomplete = new google.maps.places.Autocomplete(input, options);

What value should be taken by the types option so that the autocomplete feature suggests only cities?

**['(cities)']**

[(cities)]

cities

1. Which object would you use to display the route on a map?

**A DirectionsRenderer Object**

A DirectionsService Object

1. Which method of the DirectionsRenderer Object would use to draw the route on a map?

**setMap(map)**

render(map)

display(map)

**Social Widgets:**

1. Which of the following is a correct syntax for a facebook like button?

**<div class=”fb-like”></div>**

<div class=”fblike”></div>

<div class=”facebook-like”></div>

1. Which of the following is a correct syntax for a Google Plus like button?

<div class=”g-plus”></div>

**<div class=”g-plusone”></div>**

<div class=”google+1”></div>

1. Which of the following is a correct syntax for a Tweet button?

<div class=”tweet-button”></div>

<div class=”twitter-share”></div>

**<div class=”twitter-share-button”></div>**

**jQuery Mobile:**

1. Which of the following is a correct syntax for a page's main content?

<div role=”main-content” class=”ui-content”></div>

**<div role=”main” class=”ui-content”></div>**

<div role=”main” class=”content”></div>

1. Which of the following is a correct syntax for a dialog link with a slide transition?

<a data-role=”button” href=”dialog.html” data-transition=”slide” data-target =”dialog”></a>

**<a data-role=”button” href=”dialog.html” data-transition=”slide” data-rel=”dialog”></a>**

<a data-role=”button” href=”dialog.html” animation=”slide” data-rel=”dialog”></a>

1. How would you make a footer fixed at the bottom of the page?

Data-position = “bottom-fixed”

Data-position = “bottom”

**Data-position = “fixed”**

1. What data-role would you use for a navbar?

“nav”

**“navbar”**

“nav navbar”

1. Which of the following is a grid layout of three columns?

ui-grid-c

**ui-grid-b**

ui-grid-d

**Speed Reader App:**

1. Which of the following is the right syntax for a jQuery Mobile Range Slider?

<input type=”range-slider” min=”50” max=”600”>

**<input type=”range” min=”50” max=”600”>**

<input type=”slider range” min=”50” max=”600”>

1. How would you update the value of a jQuery Mobile slider?

**$(“#inputId”).slider(“refresh”);**

$(“#inputId”).slider(“update”);

$(“#inputId”).refresh()

1. Which of the following is a correct syntax for creating a full width slider?

<form class=”full-width”>  
<input type=”range” min=”50” max=”600”>  
</form>

**<form class=”full-width-slider”>  
<input type=”range” min=”50” max=”600”>  
</form>**

<form class=”full-slider”>  
<input type=”range” min=”50” max=”600”>  
</form>