Lab Exam 04

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**Written Exam**

**Answer to the qus no : 01**

**Javascript :** Javascript is a lightly programming language. It works in client side server. It is a interpreted programming language with object oriented compatibility. It is complementary to and integrated with java and html.

**Advantages of Javascript :**

1. **Less server interaction :**

It works in client side server. It send request after loading page and It receives a request from server after loading page. In this way it decreases the server interaction.

1. **High quality user interface:**

We can make a high quality user interface with JavaScript. We can change the user interface on page when hovering over, mouse over, mouse enter etc.

1. **Decrease server Load :**

It can get request from website and can response immediately to the user. So it reduces server load.

1. **Immediate Response :** It receives date from the server after page loading and It can response immediately to the user.

**Anser to the Qus No - 02:**

There are several types of JavaScript placement in html.

1. **In the head section :**

We can place javascript in the head section of a html file directly. For example –

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**title**>Javascript in head</**title**>  
 <**script type="text/javascript"**>  
 **function** *showText*(){  
 **document**.write(**'This an example of javascipt in head'**);  
 }  
  
 </**script**>  
</**head**>  
<**body**>  
 <**button onclick="***showText*()**"**>Show Text </**button**>  
</**body**>  
</**html**>

1. **In the body section :**

We can place javascript in the body section of a html file directly. For example –

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**title**>Javascript in body</**title**>  
 </**head**>  
<**body**>  
 <**button onclick="***showText*()**"**>Show Text </**button**>

<**script type="text/javascript"**>  
 **function** *showText*(){  
 **document**.write(**'This an example of javascipt in body**);  
 }  
  
 </**script**>  
  
</**body**>  
</**html**>

1. **In the both head and body section :**

We can place javascript in the both head and body section of a html file. For example –

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**title**>Javascript in body and head</**title**>

<**script type="text/javascript"**>  
 **function** *viewText*(){  
 **document**.write(**'This an example of javascipt in Head**);  
 }  
  
 </**script**>  
 </**head**>  
<**body**>  
 <**button onclick="***showText*()**"**>Show Text </**button**>

<**button onclick="***viewText*()**"**>Show Text </**button**>

<**script type="text/javascript"**>  
 **function** *showText*(){  
 **document**.write(**'This an example of javascipt in body**);  
 }  
  
 </**script**>  
  
</**body**>  
</**html**>

1. **In a sepate js file :**

We can place javascript in a sepate js file and can link it in the head or body section by script tag and src attribute. For example –

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**title**>Javascript in separate js file</**title**>

<**script type="text/javascript" src=”file.js”**></**script**>  
 </**head**>  
<**body**>  
 <**button onclick="***showText*()**"**>Show Text </**button**>

</**body**>  
</**html**>

**Js file :**

**function** *showText*(){  
 **document**.write(**'This an example of javascipt in body**);  
 }

**Anser to the Qus No - 03:**

**Ajax :**

Ajax is a google api that can save data without reloading a page asynchronously. Ajax allows you to send only the important information to the server not the whole page. It takes many request from users but send only few important request to the server. Which reduce server cache. It can save and load data in the server like PHP.

**jQuery :**

jQuery is a JavaScript library. It increases the use of javascript. We can easily use JavaScript with jQuery. It can create animation, style in the user interface. It is started with

$(document).ready(function(){

$//all the new funtions goes here

});

For example :

<!DOCTYPE **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**title**>jquery example</**title**>  
 <**script type="text/javascript"**>  
$(document).ready(function(){

$(“button”).onclick(function(){

$(this).hide();

})

});  
 </**script**>  
</**head**>  
<**body**>  
 <**button**>click here to hide </**button**>  
 <**button**>click here to hide this</**button**>  
 <**button**>click here to hide this too</**button**>  
</**body**>  
</**html**>

**Anser to the Qus No - 04:**

**Bootstrap :** Bootstrap is a html, css, jquery framework. By using Bootstrap one can easily make style of a webpage without using css. For this adding style one have to use some css class. By using bootstrap we can make mobile friendly responsive webpage. For using bootstrap we have to add or link bootstrap css and js in our working file.

**Modal control :** Modal control is a plugin which is used to show a pop up box in the top.

**Anser to the Qus No - 02:**

**Carousel :**

Carousel is a kind of slide which is used for slideshow in bootstrap. It displays some images or slides one after one. For using carousel one have to add some class to add style and to add a id for using jQuery. data-ride are used to start the slide in page load.

**Tooltip :**

It is used to show small pop up box.

PopOver: