

Experiment No: 01-A

HTML, CSS & Bootstrap

Aim / Title:-

Create a responsive web page which shows the e-commerce college exam admin dashboard with sidebar and statistics in cards using HTML, CSS and Bootstrap.

Theory:-1. HTML -

- HTML stands for Hyper text Markup language.
- HTML is the standard markup language for creating web pages.
- HTML describes the standard of a web page.
- HTML consists of a series of elements.
- HTML elements tell the browser how to display the content.
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link" etc.

A simple HTML document

```
<!DOCTYPE html>
<html>
<head>
<title> page title </title>
</head>
<body>
<h1> My First Heading </h1>
<p> My first paragraph </p>
</body>
</html>
```

- The `<!DOCTYPE html>` declaration defines that this document is an HTML5 document.
- The `<html>` element is the root element of an HTML page.
- The `<head>` element contains meta-information about the HTML page.

- The `<title>` element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab).
- The `<body>` element defines the document's body and is a container for all the visible contents, such as heading, paragraphs, images, hyperlinks, tables, lists etc.
- The `<h1>` element defines a large heading.

- The <title> element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)
- The <body> element defines the document's body and is a container for all the visible contents, such as heading, paragraphs, images, hyperlinks, tables, lists etc.
- The <h1> element defines a large heading
- The <p> element defines a paragraph

II CSS

- CSS stands for Cascading Style Sheets
- CSS describes how HTML elements are to be displayed on screen, paper or in other media
- CSS saves a lot of work. It can the layout of multiple web pages all at once
- External Stylesheets are stored in CSS file
- CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes
- Simple CSS example

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
background-color: lightblue;
}
h1 {
color: white;
text-align: center;
}
p {
font-family: verdana;
font-size: 20px;
}
</style> </head> <body>
```



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Date :

```
<h1> My first CSS Example </h1>
<p> This is a paragraph </p>
</body>
</html>
```




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```
<h1> My first CSS Example </h1>
<p> This is a paragraph </p>
</body>
</html>
```

III) Bootstrap:

Bootstrap is a free and open-source tool Collection for creating responsive websites and web applications. It is the most popular HTML, CSS and Javascript Framework for developing responsive, mobile-first websites. It solves many problems which we had once, one of which is the cross-browser compatibility issue. Nowadays, the websites are perfect for all the browsers (IE, Fire Fox, and chrome) and for all sizes of screens (Desktop, Tablets, phablets, and phones).

Why Bootstrap?

- Faster and Easier web development
- It creates platform-independent web pages
- It creates Responsive web-page
- It is designed to be responsive to mobile device too.
- It is free! Available on www.getbootstrap.com

• simple Example.

```
<!DOCTYPE html>
<html lang="en">
<head>
<title> Bootstrap Example </title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,
initial-scale=1">
<link rel="stylesheet" href="http://maxcdn.bootstrapcdn.com/
bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/
jquery.min.js"> </script>
<script src="http://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/
bootstrap.min.js"> </script>
```

```
</head>
<body>
<div class="container">
<h1> My first Bootstrap page </h1>
<p> This is some text </p>
```

Back WAD lab practical manual

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/
bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/
jquery.min.js"> </script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/
bootstrap.min.js"> </script>
```

```
</head>
<body>
<div class="container">
<h1> My First Bootstrap page </h1>
<p> This is some text </p>
</div>
</body>
</html>
```

Bootstrap CDN:

```
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/
bootstrap.min.css">

<!-- jQuery library -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/
jquery.min.js"> </script>

<!-- Latest Compiled Javascript -->
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/
bootstrap.min.js"> </script>
```

Conclusion:-

We have created a responsive web pages using HTML, CSS & Bootstrap.



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