



Faculty of engineering - Shoubra
Benha University

Research Article / Research Project / Literature Review

in fulfillment of the requirements of

Department	Engineering Mathematics and Physics
Division	-----
Academic Year	2019-2020 Preparatory
Course name	Computer
Course code	ECE001

Title: -

...How to build a Html website...

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My Github Link	My website
https://github.com/mero20019/HTML-Project/tree/master	https://mero20019.github.io/HTML-Project/

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Research objectives

- How to build a website using programming language “HTML”
- The beginning form
- Insert image
- Add link
- Insert Table
- The website about topic:

Discussing the Computer Engineering Role in COVID-19 Pandemic



Abstract

We will talk about how you can build a website. We will look at the body form of website. We will know how to add properties to any object on website using Cascade Style Sheets (CSS). We will learn how to insert an image. We will know about tables in websites and how to decrease their size and use the scroll bar. Finally, we will concentrate on adding links to our objects to link our sites together.



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Introduction

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as `` and `<input />` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997. [2]



Literature Review

The first thing you should know about building a website using HTML is how to write the command:

To start with a command in html it should start with `<command>` and end with `</command>`

For example to add a paragraph and write Egypt on it the code must be "

`<p> Egypt</p>` " and so on

here some commands we use in html:

the page of html starts with the `<html>` element which is the root element of an HTML page. and end with `</html>`.

- Then 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 headings, paragraphs, images, hyperlinks, tables, lists, etc.
- The `<h1>` element defines a large heading.

So the form of basic html is

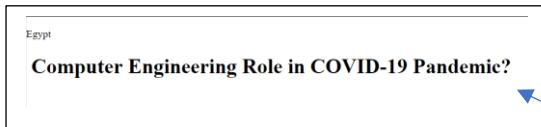
Computer Engineering Role in COVID-19 Pandemic?

```
<html>
<head>
<title>Computer Engineering Role</title>
</head>
<body>
<h1>Computer Engineering Role in COVID-19 Pandemic?</h1>
</body>
</html>
```



To insert a Paragraph we use the `<p>` command

So my code will be



```
<html>
<head>
<title>Computer Engineering Role</title>
</head>
<body>
<h1>Computer Engineering Role in COVID-19 Pandemic?</h1>
<p>Egypt</p>
</body>
</html>
```

Egypt is up and the header is down

So to solve it we must use `<div>`. The `<div>` tag defines a division or a section in an HTML document.

```
<body>
<div class="primary_header">
  <h1 class="title"> Computer Engineering Role in COVID-19
  Pandemic?</h1>
</div>
</body>
```

Computer Engineering Role in COVID-19 Pandemic?

Egypt

So the problem is solved.

The `<div>` tag is used as a container for HTML elements - which is then styled with CSS or manipulated with JavaScript.

To add any style we use **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 control the layout of multiple web pages all at once. External stylesheets are stored in CSS files

We use CSS between `<style>&</style>` after `<Head>` as

Computer Engineering Role in COVID-19 Pandemic?

Egypt

```
<head>
<style>
body { background-color: lightblue;}
h1 { color: white;
text-align: center;}
p { font-family: verdana;
font-size: 20px;}
</style>
<title>Computer Engineering Role</title>
</head>
```

We also need to make a list we use `` and between them `` to add an element for list.

```
<ul> <li><a href="index.html" style="color: #FFFFFF; font-size:
36px; text-decoration-line: None;">Home</a></li>
<li style="color: #FFFFFF; text-decoration-line:
None;"><strong>P</strong>rotecting of companies&nbsp;
&nbsp;&nbsp;and employees</li>
<li style="color: #FFFFFF; text-decoration-line:
None;">Artificial Intelligence WORK</li>
<li>Follow the pandemic & <strong>WHO</strong>
guidelines</li>
<li style="color: #FFFFFF; text-decoration-line: None; font-
size: 20px;"><strong>Encryption</li>
<li> <a href="Statistics.html" style="color: #FFFFFF; text-
decoration-line: None;"><strong> &nbsp;&nbsp;Statistics of the
virus</strong> around the world</a></li> </ul>
```


Computer Engineering Role in COVID-19 Pandemic?

Home

Protecting of companies
and employees

Artificial Intelligence WORK

Follow the pandemic &
WHO guidelines

Encryption in securing
data

Statistics of the virus
around the world

Now we will add to them hyperlink using this code for home between ``.

- The `<a>` tag defines a hyperlink. The code will be

```
"<li><a href="index.html">Home</a></li>"
```

The `<aside>` tag defines some content aside from the content it is placed in.

The aside content should be indirectly related to the surrounding content.

We need to add an image we use `` and select height and width.

```

```

COVID-19 Pandemic?

Follow the pandemic &
WHO guidelines

Encryption in securing
data

Statistics of the virus
around the world



Finally we add some a table for Statistics of corona virus

To add a table we use `<table>` & `<td>` & `<tr>` & `<th>`.

The `<table>` element defines a table.



The `<tr>` tag defines a row in an HTML table.

A `<tr>` element contains one or more `<th>` or `<td>` elements.

The `<td>` tag defines a standard data cell in an HTML table.

An HTML table has two kinds of cells:

- Header cells - contains header information (created with the `<th>` element)
- Data cells - contains data (created with the `<td>` element)

The text in `<td>` elements are regular and left-aligned by default.

The text in `<th>` elements are bold and centered by default.

Home

Protecting of companies and employees

Artificial Intelligence WORK

Follow the pandemic & WHO guidelines

Encryption in securing data

Statistics of the virus around the world

STATISTICS OF THE VIRUS AROUND THE WORLD

Following the latest developments in the Coronavirus around the world in terms of deaths and recovery cases, and total cases.

Very large population data sets would require the usage of deep neural networks so as to train more amount of data. Additionally, AI tools can also assist in recommending the researchers regarding the appropriate medicines for the concerned person and for the right disease (when they have their vaccines in hand and wanted to know the best one for a particular person).

Flag	Country	Cases	Deaths	Recover
	Worldwide	6,724,516	394,018	2,996,832
	United States	1,923,896	110,261	439,943
	Brazil	621,877	34,212	254,963

Finally, to add a scroll bar we use this code after th and

```
<div style="width: 547px; height: 200px; overflow: auto;">
```



Results and discussion

The important commands

the page of html starts with the `<html>` element which is the root element of an HTML page. and end with `</html>`.

- Then 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 headings, paragraphs, images, hyperlinks, tables, lists, etc.
- The `<h1>` element defines a large heading.
- To insert a Paragraph we use the `<p>` command
- To make a list we use `` and between them `` to add an element for list.
- The `<a>` tag defines a hyperlink.
- We use CSS between `<style>&</style>`

The `<table>` element defines a table.

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The text in `<th>` elements are bold and centered by default.



Conclusions

We talked about how you'll build an internet site. We checked out the body sort of website. we know the way to add properties to any object on website using Cascade Style Sheets (CSS). We find out how to insert a picture. we all know about tables in websites and the way to decrease their size and use the scroll bar. Finally, we focus on adding links to our objects to link our sites together.



References

1. *"W3C Html"*.
2. *"HTML 4.0 Specification — W3C Recommendation — Conformance: requirements and recommendations"*. w3. World Wide Web Consortium. December 18, 1997. Archived from the original on July 5, 2015. Retrieved July 6, 2015.