



KodeGo

**Basic Structure of HTML
Web Developer Soft Skills
HTML Table**



Overview

1. Recap
2. Quiz
3. Discuss and apply
HTML Image elements
Links, anchor tags, tables and
border.

What is HTML?

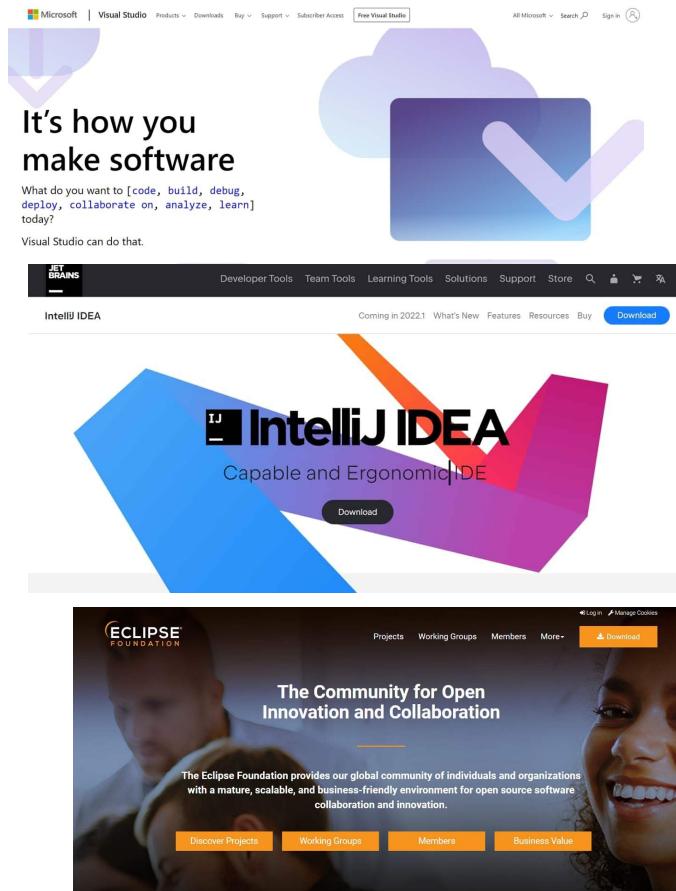
HyperText Markup Language

HTML describes the structure of the pages. It uses elements and tags.
It is the most basic building block of the Web.

Is HTML a Programming Language?



The 10 Best IDE for Web Development



Microsoft | Visual Studio Products Downloads Buy Support Subscriber Access Free Visual Studio All Microsoft Search Sign in

It's how you make software

What do you want to [code, build, debug, deploy, collaborate on, analyze, learn] today?

Visual Studio can do that.

JET BRAINS

Developer Tools Team Tools Learning Tools Solutions Support Store Coming in 2022.1 What's New Features Resources Buy Download

IntelliJ IDEA

Capable and Ergonomic IDE

Download

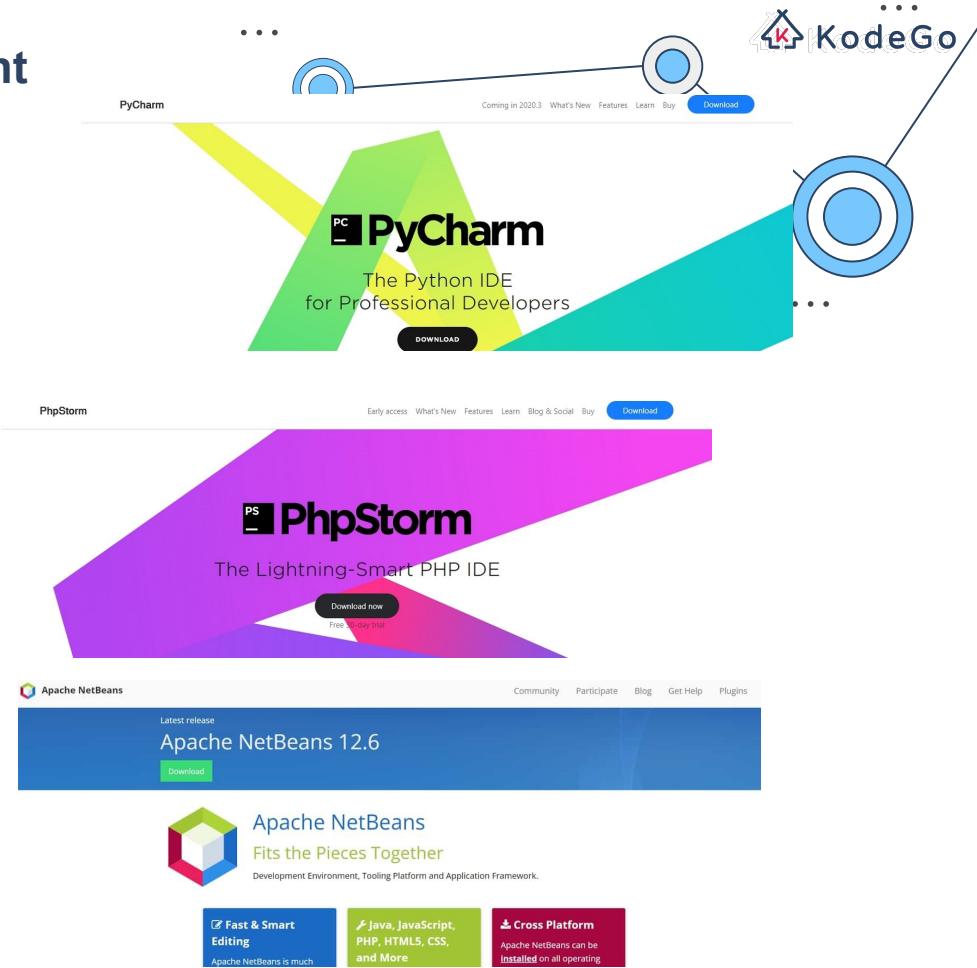
ECLIPSE FOUNDATION

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The Community for Open Innovation and Collaboration

The Eclipse Foundation provides our global community of individuals and organizations with a mature, scalable, and business-friendly environment for open source software collaboration and innovation.

Discover Projects Working Groups Members Business Value



PyCharm

Coming in 2020.3 What's New Features Learn Buy Download

PyCharm

The Python IDE for Professional Developers

DOWNLOAD

PhpStorm

Early access What's New Features Learn Blog & Social Buy Download

PhpStorm

The Lightning-Smart PHP IDE

Download now Free 30-day trial

Apache NetBeans

Community Participate Blog Get Help Plugins

Latest release Apache NetBeans 12.6

Download

Apache NetBeans

Fits the Pieces Together

Development Environment, Tooling Platform and Application Framework.

Fast & Smart Editing

Java, JavaScript, PHP, HTML5, CSS, and More

Cross Platform

Apache NetBeans is much Apache NetBeans can be installed on all operating



...

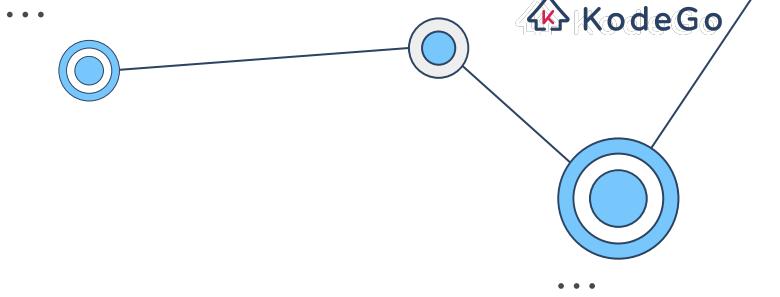
...

...

Best IDE Alternatives

Here's a short-list of the best IDE alternatives to check out:

- [Visual Studio Code](#)
- [Vim](#)
- [Sublime Text 3](#)
- [NotePad++](#)
- [Komodo Edit](#)
- [Brackets](#)



Choosing the Right IDE

- It supports your operating system.
- It supports your programming language(S)
- Open source or commercial
- IDE features
- IDE performance

Different Types of Programmers

THE GAME DEVELOPER

WHAT I CREATE

- Online, mobile, and other platform games
- Battlefield (cross-platforms)
- World of Warcraft (PC only)
- Clash of Clans (mobile only)

WHERE I WORK

- Computer game businesses
- Game publishers

LANGUAGES

- C
- C++
- C#
- Java

OTHER SKILLS

- Design capability
- 2-D or 3-D modeling ability
- Works well under pressure
- Knack for problem solving

THINGS I LIKE OUTSIDE OF WORK

- Shopping online for classic Nintendo games
- Playing World of Warcraft and Tetris
- Attending eSports events

A computer monitor displays the title 'THE GAME DEVELOPER'. To the left, a character wearing a cap and holding video game controllers is shown. On the desk in front of the monitor are a keyboard, a mouse, a can of soda, and a joystick.

Different Types of Programmers



THE MOBILE APP DEVELOPER

WHAT I CREATE

- Apps for mobile devices, primarily iPhone and Android.
- Banking apps
- Netflix mobile app (music/video streaming apps)
- Social media mobile apps (Facebook, Instagram, etc.)
- News apps

WHERE I WORK

- Freelance
- Tech companies and startups
- Software development firms
- Agencies

LANGUAGES

- Objective C
- Java

OTHER SKILLS

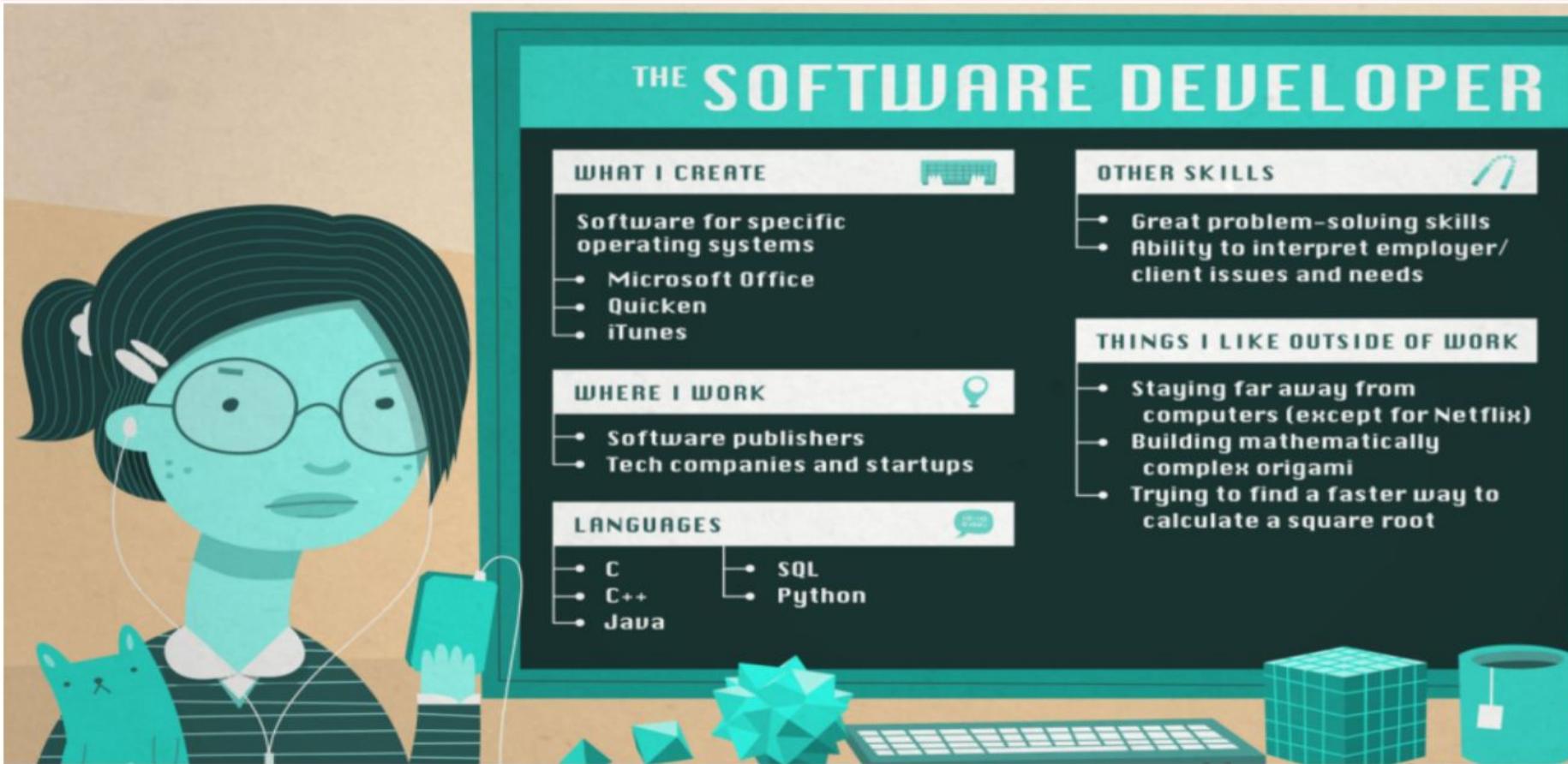
- Interest in various technologies and devices
- Proficient in software architecture

THINGS I LIKE OUTSIDE OF WORK

- Playing Clash of Clans
- Lengthily debating who reigns supreme: Android or iPhone
- Reading up on new programming languages



Different Types of Programmers



The image shows a woman with dark hair and glasses, wearing a black and white striped shirt, sitting at a desk. She is looking at a computer screen that displays a profile for "THE SOFTWARE DEVELOPER". The profile includes sections for "WHAT I CREATE", "WHERE I WORK", "LANGUAGES", and "OTHER SKILLS", each with a list of items. There are also icons for a camera, location, speech bubble, and a checkmark.

THE SOFTWARE DEVELOPER

WHAT I CREATE

- Software for specific operating systems
 - Microsoft Office
 - Quicken
 - iTunes

WHERE I WORK

- Software publishers
- Tech companies and startups

LANGUAGES

- C
- C++
- Java

- SQL
- Python

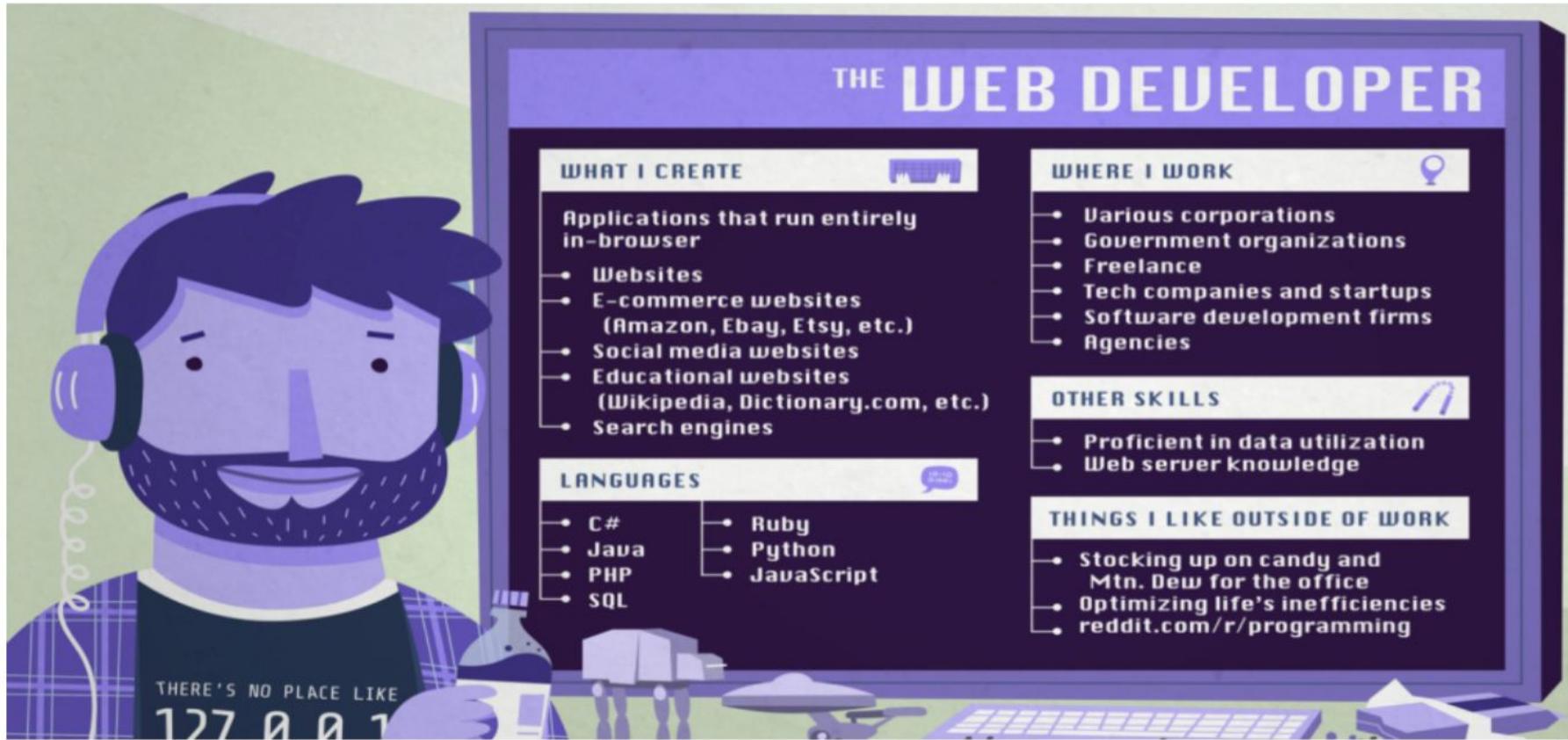
OTHER SKILLS

- Great problem-solving skills
- Ability to interpret employer/client issues and needs

THINGS I LIKE OUTSIDE OF WORK

- Staying far away from computers (except for Netflix)
- Building mathematically complex origami
- Trying to find a faster way to calculate a square root

Different Types of Programmers



HTML Structure / Anatomy of HTML

```
<!DOCTYPE html>
<html>
<head>
    <title>My First HTML Website</title>
    <meta charset="UTF-8">
</head>
<body>
    Welcome to my first HTML Website!
</body>
</html>
```

Tags

Doctype
HTML Tag
Head Tag
Title Tag
Meta Tag
Body Tag

Attributes

Provides additional information about the html tags or elements

ELEMENT NAME

ATTRIBUTE
NAME

ATTRIBUTE
VALUE

```
<p text-align="right"> Text </p>
```



ATTRIBUTE



Attribute Name	Description
href	Hypertext Reference specifies the url (web address) for a link. <code>About</code>
src	Source of media elements like images, iframes, Audio, Video. <code></code>
id	Set unique id of single element <code><h1 id="MyHeader"> My First HTML Page </h1></code>
class	Group single or multiple elements. <code><p class="intro">This is an Introduction</p></code>
style	Specifies an inline style for an element <code><p style="color:green">This is color green paragraph.</p></code>
alt	Specifies an alternative text. <code></code>
title	Tooltip of an element. <code></code>

Tag Name	Description
<h1> </h1>	A section heading level 1. Headings are up to <h6></h6>
<p> </p>	A paragraph tag
<a> 	Hyperlink, formerly anchor tag
	An image tag
 	Bold text
<div> </div>	Division, a block-level element for grouping
 	An inline level grouping element
<!-- -->	Insert comment in the source code. A short description of code. Not displayed in the browser

HTML Image Elements

Example

HTML Attribute

```

```

alt="dog photo"

HTML Element

SEO - Search Engine Optimization



Learning Outcomes

1. Describe hyperlink
2. Differentiate hyperlink to hypertext.
3. Determine nesting elements
4. Apply hyperlink to your website.

Hyperlink



Alternatively known as a **link** and **web link**, a **hyperlink** is an icon, graphic, or text that links to another file or object.

CIS CIS CIS CIS CIS CIS CIS

Hyperlink VS Hypertext

```
<a href="https://www.wikihow.pet/Take-Care-of-a-Dog">Responsible Pet Owner</a>
```



Hyperlink



Hypertext

HTML Links and Anchor Tags

```
<a href="https://www.wikihow.pet/Take-Care-of-a-Dog">Responsible Pet Owner</a>
```

Elements can be placed within other elements.

Example

```
<p>I love <a href="https://www.wikihow.pet/Take-Care-of-a-Dog">  
    <strong>dogs</strong></p> </a>
```

Quiz Time

Click the link provided in the chat box.

Everyone has
dreams. Success
comes to those
who act.

Sam Gupta

synapseworldwide.com

Everyone has
dreams. Success
comes to those
who act.

Sam Gupta

synapseworldwide.com



Learning Outcomes

1. Identify how to add bullet list into a website.
2. Determine the types of list.
3. Re-create the World's First Website.

HTML List

HTML

```
<h1>Top level heading: Maybe a page title</h1>
```

```
<p>A paragraph of text. Some information we would like to communicate to the user. This can be as long or short as we would like.</p>
```

```
<ol>
  <li>Number one on the list</li>
  <li>Number two</li>
  <li>A third item</li>
</ol>
```

Web Page

Top level heading: Maybe a page title

A paragraph of text. Some information we would like to communicate to the user. This can be as long or short as we would like.

1. Number one on the list
2. Number two
3. A third item

HTML List

HTML lists allow web developers to group a set of related items in lists.

Web Page

Top level heading: Maybe a page title

A paragraph of text. Some information we would like to communicate to the user. This can be as long or short as we would like.

1. Number one on the list
2. Number two
3. A third item

HTML LIST TAG - Ordered List

Type List	Description
List	<p>Tag: </p> <p>Used to define each list item.</p>
Ordered List	<p>Tag: </p> <p>Sequential list. Use numbers, alphabets and Roman characters as list style.</p> <p>Example 1: Uppercase Alphabet List</p> <div style="border: 1px solid #ccc; padding: 10px;"><pre><ol type="A"> List 1 List 2 List 3 </pre></div> <p>Output:</p> <p>A. List 1 B. List 2 C. List 3</p> <p>Example 2: Roman Numeral List</p> <div style="border: 1px solid #ccc; padding: 10px;"><pre><ol type="I"> List 1 List 2 List 3 </pre></div> <p>Output:</p> <p>I. List 1 II. List 2 III. List 3</p>

HTML LIST TAG - Unordered List

Type List	Description
Unordered List	<p>Tag: </p> <p>Non sequential list.</p> <p>List with bullets. In HTML5, type attribute of unordered list is deprecated.</p> <p>Example 1: Bullet List</p> <pre> List 1 List 2 List 3 </pre> <p>Output:</p> <ul style="list-style-type: none">• List 1• List 2• List 3
	<p>Example 2 : Square List</p> <pre><ul type= "square" > List 1 List 2 List 3 </pre> <p>Output:</p> <ul style="list-style-type: none">▪ List 1▪ List 2▪ List 3

Unordered List

Non sequential list. List with bullets. In HTML5, type attribute of unordered list is deprecated.

UL Example 1: Bullet List

```
<ul>
  <li>Coffee</li>
  <li>Milk</li>
  <li>Tea</li>
</ul>
```

- Coffee
- Milk
- Tea

UL Example 2: Square List

```
<ul type="square">  
    <li>Coffee</li>  
    <li>Milk</li>  
    <li>Tea</li>  
</ul>
```

- Coffee
- Milk
- Tea

Ordered List

Sequential list. Use numbers, alphabets and Roman characters as list style.

OL Example 1: Uppercase Alphabet List

```
<ol type="A">
    <li>Coffee</li>
    <li>Milk</li>
    <li>Tea</li>
</ol>
```

1. Coffee
2. Milk
3. Tea

OL Example 2: Roman Numeral List

```
<ol type="I">
  <li>Coffee</li>
  <li>Milk</li>
  <li>Tea</li>
</ol>
```

I.	Coffee
II.	Milk
III.	Tea

HTML LIST - Description List

Type List	Description
Description List	<p>Tag: <dl></p> <pre><dt> Description Term </dt> <dd>Description Data </dd> </dl></pre> <p>List with description term and description data.</p> <p>Example:</p> <pre><dl> <dt> HTML</dt> <dd> Language To create web page. </dd> </dl></pre> <p>Output:</p> <pre>HTML Language To create web page.</pre>

Description List

List with description term and description data.

Syntax:

```
<dl>
  <dt>Description Term</dt>
  <dd>Description Data</dd>
</dl>
```

DL Example 1:

```
<dl>
  <dt>HTML</dt>
  <dd>Language to create a website. </dd>
</dl>
```

HTML

Language To create web page.

Activity 1.2: Re-create The World's First Website

1. Create a new html file name
2. Apply what you have learned about HTML tags, attributes and lists.
3. Save page as **Actitivy2_html** file on your system.
4. Double click the file and your page is live on browser.
5. **Present your version of World's First Website!**

The World's First Website

World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

What's out there?

Pointers to the world's online information, [subjects](#) , [W3 servers](#), etc.

Help

on the browser you are using

Software Products

A list of W3 project components and their current state. (e.g. [Line Mode](#) ,[X11 Viola](#) , [NeXTStep](#) , [Servers](#) , [Tools](#) , [Mail robot](#) , [Library](#))

Technical

Details of protocols, formats, program internals etc

Bibliography

Paper documentation on W3 and references.

People

A list of some people involved in the project.

History

A summary of the history of the project.

How can I help ?

If you would like to support the web..

Getting code

Getting the code by [anonymous FTP](#) , etc.

HTML Code Challenge

1

HTML Table CODE CHALLENGE

Welcome to my Site!

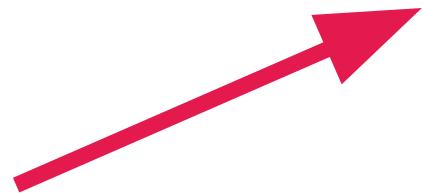


Using HTML Table,

Put your name here
And add a short description about
yourself.

Kae Soriano

Web Development Instructor - KodeGo



HTML Table CODE CHALLENGE

```
<h1>Welcome to my Site!</h1>
```

```
<table>
  <tr>
    <td></td>
    <td>
      <h1><strong>Kae Soriano</strong></h1>
      <p> Web Development Instructor - Kodego</p>
      <p>I love teaching and milk tea</p>
    </td>
  </tr>
</table>
```

Welcome to my Site!



Kae Soriano

Web Development Instructor - Kodego

I love teaching and milk tea

HTML Table CODE CHALLENGE

```
<h1>Welcome to my Site!</h1>
```

```
<table cellspacing="30">
```

```
<tr>
```

```
    <td></td>
```

```
    <td>
```

```
        <h1><strong>Kae Soriano</strong></h1>
```

```
        <p> Web Development Instructor - Kodego</p>
```

```
        <p>I love teaching and milk tea</p>
```

```
    </td>
```

```
</tr>
```

```
</table>
```

Welcome to my Site!



Kae Soriano

Web Development Instructor - Kodego

I love teaching and milk tea

HTML Table CODE CHALLENGE

```
<h1>Welcome to my Site!</h1>
```

```
<table cellspacing="30">
```

```
<tr>
```

```
    <td></td>
```

```
    <td>
```

```
        <h1><strong>Kae Soriano</strong></h1>
```

```
        <p> Web Development Instructor - Kodego</p>
```

```
        <p>I love teaching and milk tea</p>
```

```
    </td>
```

```
</tr>
```

```
</table>
```

Welcome to my Site!



Kae Soriano

Web Development Instructor - Kodego

I love teaching and milk tea

Hello!

Welcome to my Personal Portfolio



Kae Soriano

Web Development Instructor - Kodego

I love teaching and milk tea

You can also visit this blog

[click here](#)

My Interests

- Photography
- Graphics Design
- Blogging

2022-2023 Teacher at ABC School

2021-2022 Teacher at Creative School

[My hobbies](#) [Contact Me](#)

My Hobbies

1. Watching Movies



2. Blogging
3. Decorating

[Back](#)

My Contact Details

123 Eme St. Brgy. Uno Cavite City

09123456789

me@gmail.com

[Back](#)



Presentation of Output

HTML - My Portfolio

Soft skills

Communication skills

Cleary state and communicate what you have in mind.



Adaptability

Keep up with the latest news.



Problem Solving

Solving problem and making it all work should be your mindset.

Interpersonal Skills

interacting and communicating with others to help start, build, and sustain relationships.

HTML Reference

<https://www.w3schools.com/html/default.asp>

<https://developer.mozilla.org/en-US/docs/Learn/HTML>

Wrap up

What have you learned today?

Technical Skills

1. Introduction to Web Development
2. Introduction to Web Stacks
3. HTML Tags
4. HTML Attributes
5. HTML Lists

Soft Skills

1. Communication Skill
2. Research
3. Problem-solving
4. Interpersonal skills

Thank you!



Learning Outcomes

1. Identify the uses of HTML Table
2. Determine the steps in creating a table
3. Create HTML table and table form

HTML Tables are used to arrange data like text, images, links, other tables, etc. into rows and columns of cells.

Note: To add borders to the table you can use the **border** attribute.

To define the width of the table you can also use the **width** attribute.

HTML Tables

<table>

Name	Age	Email
John	29	john@email.com
Jane	27	jane@email.com

</table>

HTML Table Head

Table Head is used to group the **header content** of an HTML table.

Table head is uses the tag:

<thead> </thead>

HTML Table Row

Table Row is used to define a **row** inside the table.
The table row can contain **1 or more <th> or <td>**.

Table Row is uses the tag:

<tr> </tr>

HTML Table Data

Table Data is used to define a **data cell** inside the table.

Table Data is uses the tag:

<td> </td>

<code><th>Name</th></code>	<code><th>Age</th></code>	<code><th>Email</th></code>
<code><td>John</td></code>	<code><td>29</td></code>	<code><td>john@email.com</td></code>
<code><td>Jane</td></code>	<code><td>27</td></code>	<code><td>jane@email.com</td></code>

HTML Tables

<table>

Name	Age	Email
John	29	john@email.com
Jane	27	jane@email.com

</table>

HTML Table Colspan

Colspan attribute is used to make a cell span for **more than 1 column**.

Syntax:

<td colspan="2">

Name	Contact Number	
Bill	12345	67890
Steve	13579	24680

HTML Table Rowspan

Rowspan attribute is used to make a cell span for **more than 1 row**.

Syntax:

```
<td rowspan="2">
```

NAME	Bill	Steve
	12345	13579
Contact Number	67890	24680

HTML Table Rowspan

Rowspan attribute is used to make a cell span for **more than 1 row**.

Syntax:

```
<td rowspan="2">
```

NAME	Bill	Steve
	12345	13579
Contact Number	67890	24680

HTML Table Example (Try to add a table in your webpage, no need to add color)

My Work Experience

2022 - 2023	Teacher 1	ABC School
2020 - 2022	Teacher 2	Dream School
2015 - 2020	Teacher 3	Kodego

HTML Table Example (Try to add a table in your webpage)

```
<table>          ↗  
<tr>             ↗  
<td>2022 - 2023</td>    ↗  
<td>Teacher 1</td>  
<td>ABC School</td>      ↗  
</tr>             ↗  
  
<tr>             ↗  
<td>2020 - 2022</td>    ↗  
<td>Teacher 2</td>  
<td>Dream School</td>     ↗  
</tr>             ↗  
</table>          ↗
```

My Work Experience

2022 - 2023	Teacher 1	ABC School
2020 - 2022	Teacher 2	Dream School
2015 - 2020	Teacher 3	Kodego

Table with Emoji

Skills	Front-end Web Development		Back-end Web Development	
	Photography		Social Media Management	

Table with Emoji

```
<table>  
  <th rowspan="4"> Skills </th>  
  <tr>  
    <td>Front-end Web Development</td>  
    <td>★★★★★</td>  
    <td>Back-end Web Development</td>  
    <td>★★★★★</td>  
  </tr>  
  
  <tr>  
    <td> Photography</td>  
    <td>★★★★★</td>  
    <td> Social Media  
Management</td>  
    <td>★★★</td>  
  </tr>  
  </table>
```

Skills	Front-end Web Development	Back-end Web Development	Photography	Social Media Management
	★★★★★	★★★★★	★★★★★	★★★★★

Table with style

```
<td style="border: 2px red;">Name</td>
```

```
<td style="color: yellow; background-color: blue">Name</td>
```

```
<td rowspan="2" style="border: 3px violet; border-collapse:  
collapse;">Age</td>
```

```
<td> <b>Name</b></td>
```

```
<td> <strong>Name</strong></td>
```

Code Challenge 2 - HTML Table

1

Name	Junjun	Joe
Contact Number	123	456

2

Name	Contact Number
Hope	123
Faith	789

3

Year	2022-2023	Teacher at ABC School
	2021-2022	Teacher at Creative School

HTML Forms are used to collect different kinds of user inputs, such as contact details like name, email address, phone numbers, or details like credit card information, etc.

HTML Table Form

```
<form>
  <table>
    <tr>
      <td>Name:</td>
      <td><input type="text" name="name"></td>
    </tr>

    <tr>
      <td>Email:</td>
      <td><input type="email" name="email"></td>
    </tr>

    <tr>
      <td>Password:</td>
      <td><input type="password" name="password"></td>
    </tr>

  </table>
</form>
```

Name:

Email:

Password:

Number:

Feedback:

HTML Table Form

```
<form>

    <tr>
        <td>Number:</td>
        <td><input type="number" name="number"></td>
    </tr>

    <tr>
        <td>Feedback:</td>
        <td><textarea name="message"></textarea></td>
    </tr>

    <tr>
        <td></td>
        <td><input type="submit" value="Submit"></td>
    </tr>
</table>
</form>
```

Name:

Email:

Password:

Number:

Feedback:

Thank you!