Module 1 - Foundation

Question: Do search for web-site, http, URL etc given topics in lecture.

Answer:

Web site: a website is a collection of multimedia such as images, videos,

text and pages.

Ex: Wikipedia, Reddit

HTTP: Hyper Text Transfer Protocol, it's a protocol to communicate with the websites.

Ex: https://www.google.com/

URL: Uniform Resource Locator, URL is used to address a website.

Ex: https://www.google.com/

MODULE 2 - Fundamentals of IT

Question: Do search for domain, hosting, SEO etc.

Answers:

Domain: Domain is used as a identifier of the entity.

Example: https://www.google.com/

Hosting: Hosting is a process of putting something to the world wide web to

make it accessible to everyone outside the network, too.

SEO: Search Engine Optimization, it's used to generate organic traffic.

Module 3 - HTML

Question: Are the HTML tags and elements the same thing? **Answers**:

No, html tag and elements are not same thing.

Output:

Hello world

Hello world

Hello world

Hello world

Element: Element contains the content inside the tag.

Hello world
<h1>Title</h1>

Title

Question: What are tags and attributes in HTML?

Answers:

Tags: Tags are just html code

```
Lorem ipsum dolor, sit amet <br>
Pariatur, vitae.
Lorem ipsum dolor sit amet consectetur adipisicing elit.
Molestias, dolorum!
Lorem ipsum dolor sit amet consectetur adipisicing elit.
Molestias, dolorum!
Lorem ipsum dolor sit amet consectetur adipisicing elit.
Molestias, dolorum!
Lorem ipsum dolor sit amet consectetur adipisicing elit.
Molestias, dolorum!
Lorem ipsum dolor sit amet consectetur adipisicing elit.
Molestias, dolorum!
Lorem ipsum dolor sit amet consectetur adipisicing elit.
Molestias, dolorum!
Molestias, dolorum!
```

Output:

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Pariatur, vitae.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Molestias, dolorum!

Lorem ipsum dolor sit amet consectetur adipisicing elit. Molestias, dolorum!

Lorem ipsum dolor sit amet consectetur adipisicing elit. Molestias, dolorum!

Lorem ipsum dolor sit amet consectetur adipisicing elit. Molestias, dolorum!

Attributes: Attributes are special words used to describe more about tags, Such as height and width.

ssy-background-images-tree-and-water-free-photo.jpg" height=1000
width=1000>

Output:



Question: What are void elements in HTML? With Example **Answer**:

Void elements are type of elements which do not have closing tag. Such as https://www.sciencestrump.com/

Lorem ipsum dolor sit amet consectetur adipisicing elit. Repudiandae, ipsam?



Question: What are HTML Entities? With Example **Answer:**

HTML entities are used to represent symbolic characters

©

®

\$

Output:

© ® \$

Question: What are different types of lists in HTML? With Example **Answer:**

There are three types of lists:

- 1) Ordered list
- 2) Unordered list

3) Defined list

Output:

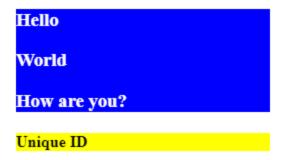
- 1. A
- 2. B 3. C
- A
- b
- (

Tea

Hot Hot **Question:** What is the 'class' attribute in HTML? With Example **Answer:**

Class: Class is used to group multiple html elements.

```
<title>Hello, World!</title>
<link rel="stylesheet" href="styles.css" />
 .one{
   background-color: blue;
   color: white;
  #unique{
    background-color: yellow;
  <h3>Hello</h3>
  <h3>How are you?</h3>
<h4 id="unique">Unique ID</h4>
```



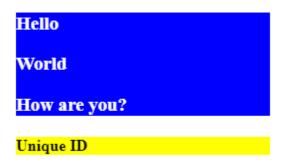
Question: What is the difference between the 'id' attribute and the 'class' attribute of HTML elements? With Example

Answer:

Class: Class is used to group multiple html elements. Classes can exist with the same name again and again in the same page.

Id: id is used to target a single element. It should be unique. Id of same name cannot exist in the same page.

```
<h4 id="unique">Unique ID</h4>
</body>
</html>
```



Question: What are the various formatting tags in HTML? **Answer:**

There are several types of html tags to format the content

```
 Hello <code>Hello </code> <b>Hello</b>
```

Output:

Hello

Hello Hello

Question: How is Cell Padding different from Cell Spacing? With Example **Answer:**

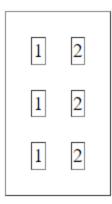
Cell Padding: Cell padding is used for more space inside the cell Cell Spacing: Cell spacing is used to give space between the cells.

```
<h1>Cell padding</h1>
   2
<h1>Cell Spacing</h1>
```

Cell padding

1	2
1	2
1	2

Cell Spacing



Question: How can we club two or more rows or columns into a single row or column in an HTML table? With Example

Answer:

Rowspan: Rowspan is used to merge rows. Colspan: Colspan is used to merge columns.

```
     <h1>colspan</h1>
```

```
1
<h1>rowspan</h1>
 1
2
```

colspan



rowspan



Question: What is the difference between a block-level element and an inline element

Answer:

Block-Level-Elements: Block level elements takes the full width. Inline-Element: Inline elements takes the width according to the content.

```
<h1>Inline element</h1>
<span style="background-color: yellow;">
Lorem ipsum dolor sit amet.
</span>
```

Block level element

Lorem ipsum dolor sit amet.

Inline element

Lorem ipsum dolor sit amet.

Question: How to create a Hyperlink in HTML? With Example **Answer:**

Hyperlinks are used to navigate through pages when the user clicks on it.

```
<a href="https://google.com"></a>
```

Output:

Go to google

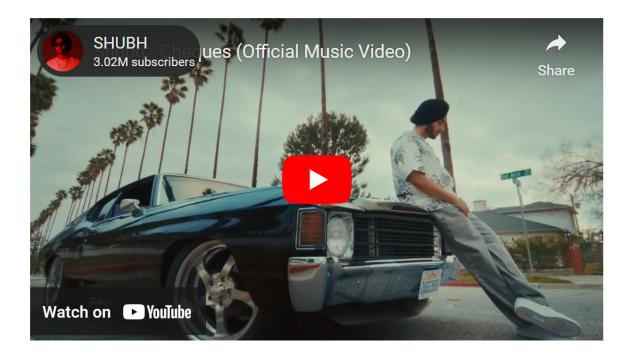
Question: What is the use of an iframe tag? With Example.

Answer: The use of iframe tag is to load another web page into the current web page.

```
<iframe width="560" height="315"
src="https://www.youtube.com/embed/4tywp83zkmk" title="YouTube video</pre>
```

player" frameborder="0" allow="accelerometer; autoplay; clipboard-write;
encrypted-media; gyroscope; picture-in-picture; web-share"
allowfullscreen></iframe>

Output:



Question: What is the use of a span tag? Explain with example? **Answer**:

Span tag is used to give different stylings to a particular text in the content.

```
Lorem ipsum dolor sit amet, consectetur adipisicing elit.<span
style="background-color: red;"> Rerum quam expedita repellendus,
</span>enim in omnis quos pariatur nobis sed nihil.
```

Output:

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Rerum quam expedita repellendus, enim in omnis quos pariatur nobis sed nihil.

Question: How to insert a picture into a background image of a web page? With Example.

Answer:

We can insert a picture to the background using css.

```
<!DOCTYPE html>
<html>
<head>
    <title>Hello, World!</title>
    link rel="stylesheet" href="styles.css" />
    <style>
        body{
            color:green;
            background: url('images.jpg')
        }
        </style>
        </head>
        <body>
        <h3>Hello world!</h3>
        </body>
        </html>
```



Question: How are active links different from normal link **Answer:**

When a working url is the href attribute then the link becomes active and color changes to blue.

When a link is not given in the href attribute then the link becomes inactive and color changes to purple.

```
<a href="">Normal link</a><br>
<a href="https://www.google.com">Active link</a>
```

Normal link Active link

Question: What are the different tags to separate sections of text? **Answer:**

The different tags to separate sections of text are: Span tag and Div tag.

Output:

Lorem ipsum dolor sit.

Lorem ipsum dolor sit.

Question: What is SVG?

Answer: The full form of SVG is Scalable Vector Graphics. We can scale up SVG image a lot without losing the graphics.



Question: What is difference between HTML and XHTML

Answer:

HTML is just hyper text markup language.

XHTML is Extensible hypertext markup language which is just an extension of html.

XHTML:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
        <title>First Webpage</title>
</head>
<body>

The body of the page goes here...
</body>
</html>
```

HTML:

```
<link rel="stylesheet" href="style.css">
  </head>
  <body>
        <script src="index.js"></script>
        </body>
</html>
```

HTML

XHTML

Question: What are logical and physical tags in HTML?

Answer:

Logical Tags: These tags are used for logic

Physical Tags: These tags are used for physical visual appearance

```
<h3>Physical tags</h3>
<b>Lorem ipsum dolor sit amet.</b>
<h3>Logical tags</h3>
Welcome to <abbr title="Hello world"> Hello world</abbr> <br/>
<br/>
Welcome to <abbr title="Hello world"> Hello world</abbr> <br/>
<br/>
Welcome to <abbr title="Hello world"> Hello world</abbr> <br/>
<br/>
Welcome to <abbr title="Hello world"> Hello world</abbr> <br/>
<br/>
Welcome to <abbr title="Hello world"> Hello world</a></br>
```

Physical tags

Lorem ipsum dolor sit amet.

Logical tags

Welcome to Hello world