**HTML Images Map**

**Image Maps:**

***Write Definition here!***

With HTML image maps, we can create clickable areas on an image.

An image map is an image with clickable areas.

**Syntax:**

**Representation:**

**Code:**

**Example:**

Try to click on the computer, phone, or the cup of coffee in the image below:

**How Does it Work?**

The idea behind an image map is that we should be able to perform different actions depending on where we click on the image.

To create an image map you need an image, and some HTML code that describes the clickable areas.

**Tags & Attributes Used In Image Map:**

There are 3 tags and 2 attribute used to create an image map:

1. <img> – tag
2. <map> – tag
3. <area> – tag
4. usemap – attribute (used in img tag)
5. name – attribute (used in map tag)

The HTML <map> tag defines an image map.

The areas are defined with one or more <area> tags.

The usemap attribute is used to create a relationship between the image and the image map. The usemap value starts with a hash tag ***#*** followed by the name of the image map,

**Embed The Image:**

The image is embedded using the <img> tag.

The only difference from other images is that we must add a usemap attribute in it.

***Tip:*** You can use any image as an image map!

**Code:**

**Output:**

**Create Image Map:**

Then, add a <map> element.

The <map> element is used to create an ***image map***.

The <map> element is linked to the image by using the required ***name*** attribute.

The name attribute must have the same value as the <img>'s ***usemap*** attribute .

**Code:**

**Output:**

**Create an Area:**

Then, add the clickable areas.

A clickable area is defined in the image using an <area> element.

We can define many clickable areas using <area> tag.

**Syntax:**

**Define The Shape & Co-ordinates For Area:**

We must define the shape of the clickable area and some coordinates to be able to place the clickable area onto the image.

**Values of Area Tag:**

There are 4 values of area tag:

* rect - defines a rectangular region
* circle - defines a circular region
* poly - defines a polygonal region
* default - defines the entire region

**Chapter Summary:**

1. Use the HTML <map> element to define an image map
2. Use the HTML <area> element to define the clickable areas in the image map
3. Use the HTML usemap attribute of the <img> element to point to an image map

**HTML Image Tags:**

***Image present here!***