HTML5 ADD-ONS

ELEMENTS

- <article>   -- specifies it as an article
- <aside>   --- keeps the text aside from header
- <mark> --- highlights the text that is present in mark tag.
- <nav>   --- used for providing navigation property
- <meter> -- to measure data in a given range.
- Summary – details on dropdown

- <Time>   --- just to specify it as time
- <Section> --- different sections in a file
- <wbr>----Word break
- <Date> -- date format (input type)
- Figure caption

TAGS AND OUTPUT

```html
<body>
<section>
    <p>The lander and the rover will land near the lunar south pole region in a high plain betwee
    two craters, Manzinus C and Simpelius N, at a latitude of about 70° <mark> south on 7 Septemb
    </mark>, 2019. The wheeled Pragyan rover will move on the lunar surface and will perform
    on-site chemical analysis for a period of 14 days (one lunar day). It can relay data to Earth
    through the Chandrayaan-2 orbiter and lander, which will fly on the same launch. The orbiter
    will perform its mission for one year in a circularized lunar polar orbit of 100 × 100 km. </
</section>

<section>

    <p>The lander and the rover will land near the lunar south pole region in a high plain betwee
    two craters, Manzinus C and Simpelius N, at a latitude of about 70° south on 7 September,
    2019. The wheeled Pragyan rover will move on the lunar surface and will perform on-site
    chemical analysis for a period of 14 days (one lunar day). It can relay data to Earth through
    the Chandrayaan-2 orbiter and lander, which will fly on the same launch. The orbiter will
    perform its mission for one year in a circularized lunar polar orbit of 100 × 100 km. </p>

</section>
<nav>
```

```html
<nav>
    <a href="https://en.wikipedia.org/wiki/Chandrayaan-2">this is all about CHANDRAYAAN2</a>
</nav>
<p> voting success </p><br>
<p>YES</p>
<meter value="15" min="0" max="20"></meter>
<p>NO</p>
<meter value="5" min="0" max="20"></meter>
<details>
  <summary>about the author.</summary>
  <p> This is written by ABC</p>
  <p>Thank you for visiting our page</p>
</details>
```

TAGS AND OUTPUT

The lander and the rover will land near the lunar south pole region in latitude of about 70° ==south on 7 September==, 2019. The wheeled Prag chemical analysis for a period of 14 days (one lunar day). It can relay will fly on the same launch. The orbiter will perform its mission for

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this is all about CHANDRAYAAN2

voting success

YES

NO

▶ about the author.

▼ about the author.

This is written by ABC

Thank you for visiting our page

this is a word break contest so plese trytrytrytrytry trytryrtyrtr iiiiiiiiiiiittttttttttttttt
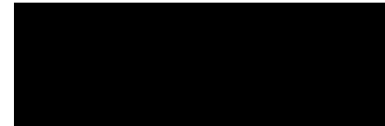

this is a picture

GRAPHICS

- <canvas>   --- container for graphics, needs javascript to be embedded to draw elements.

  -game application

- SVG   --- Scaleable Vector Graphics
  - Circle, rectangle, rounded rectangle, polygon
- SVG- 2D ,predefined, event handling

TAGS AND OUTPUT

```
1   <!DOCTYPE html>
2   <html>
3   <head>
4       <title></title>
5   </head>
6   <body>
7   <svg width="200" height="300">
8    <circle cx="60" cy="60" r="40" />
9    </svg>
10   <svg width="400" height="100">
11   <rect width="400" height="100" />
12   </svg>
13   </body>
14   </html>
```

MULTIMEDIA

- Video : before HTML5 we need plug-in
  - It specifies a standard way to embedded video in a webpage.
  - <video width=" " height=" " controls>
  - <source src=" " type=" ">
  - </video>
  - Controls- play, pause,volume.

MULTIMEDIA

- Audio-adding audio files to the page.
- <audio controls>
- <source src=" " type=" ">
- </audio>

MULTIMEDIA

- ADD YOUTUBE VIDEO.

TAGS AND OUTPUT

```
 1   <!DOCTYPE html>
 2   <html>
 3   <head>
 4       <title></title>
 5   </head>
 6   <body>
 7   <video width="320" height="240" controls/autoplay>
 8     <source src="filename.mp4" type="video/mp4">
 9   </video>
10   </body>
11   </html>
```
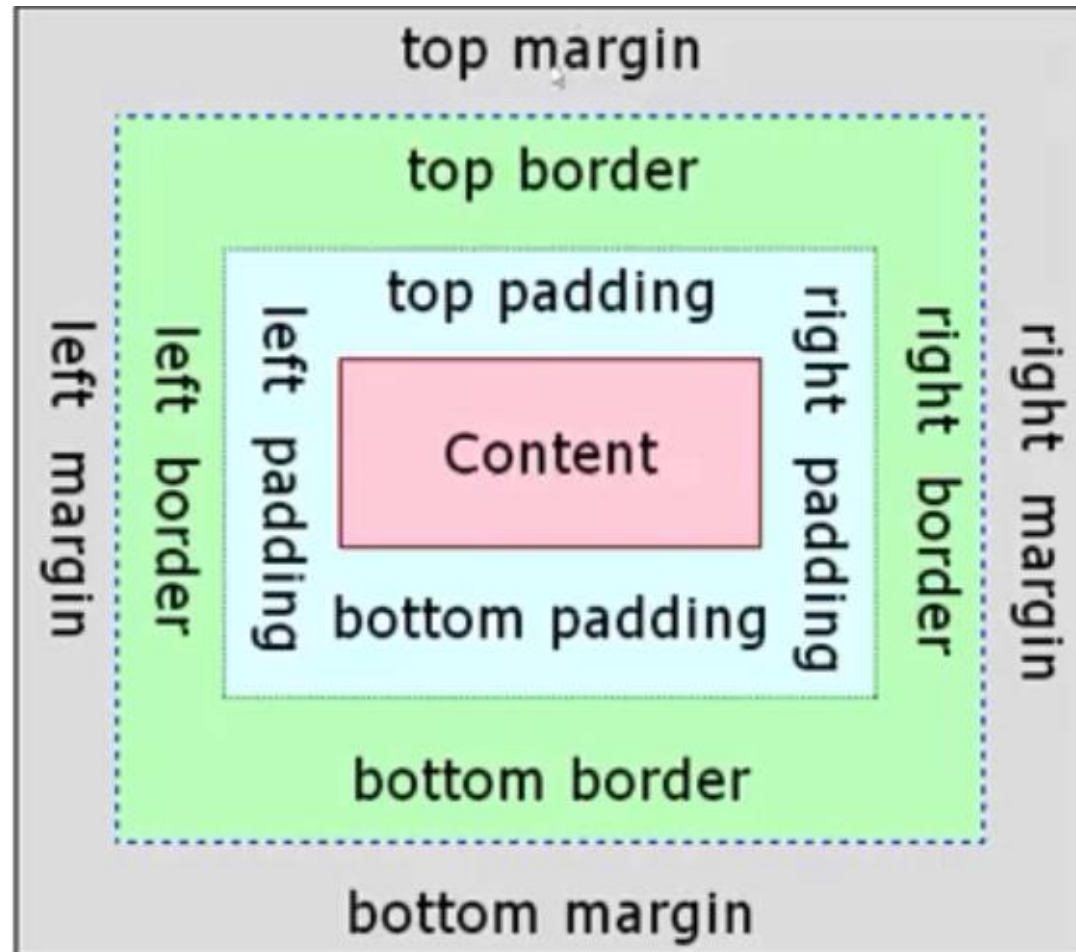
CSS Add-ons

CSS

- BOX Model

OUTLINE

- Outline style-- must
- Outline color
- Outline width
- Outline offset– space to margin and outline

PSEUDO CLASS

- When mouse is moved over change the style of the content.
- :hover
- :focus

TAGS AND OUTPUT

```
72  div.cl{position: absolute;
73            clip:rect(0px,50px,50px,0p
74
75
76  a:link {color: blue;}
77  a:visited {color: green;}
78  a:hover {color: hotpink;}
79  a:activated {color: red;}
80
81  .li
82  { list-style-image: url(1.jpg); }
```

```
textarea:focus {

  background: pink;

}
```

PSEUDO ELEMENT

- Standard change of few elements in a particular way.
- We can use elements in such cases.

TAGS AND OUTPUT

```css
79   a:activated {color : red}}
80
81   p::first-line {
82     color:red;
83     font-variant: small-caps;
84   }
85   .li
86   { list-style-image: url(1.jpg); }
```

BEFORE ,AFTER SELECTOR

- ::after is a pseudo element which allows you to insert content onto a page from CSS.

- ::before is exactly the same only it inserts the content before any other content in the HTML instead of after.

- Eg: p ::after   p ::before
                    {
                    }
                                        {
                                        }

OPACITY

- Making the image dull or making it more transparent.
- When applying for body which has images in background the text also turns opaque how to solve it?
- Opacity 0.1;

OTHER STYLES

- Rounded corner-- border-radius: 15px;
- Images in border– design

```
        {
        border: 10px solid transparent;
        border-image: url(border.jpg) 30
round;}
```

OTHER STYLES

- Shadows in box
  - box shadow: 2px 2px 2px red;
- Shadows in text
  - Text shadow : 2px 2px 2px red;
- Multiple shadow- separated by ,

PREVIEW

Text

TRANSFORMATIONS

- 2D transformation
  - transform : rotate(30 deg);
  - transform :translate(x,y);
  - Scale --- x,y scale
  - Skew- x,y

- 3D transformations???

TRANSITION

- Transition – State change smoothly
- transition-delay
- transition-duration - must
- transition-property
- transition-timing-function

ANIMATIONS

- Animation-changing from one style to another.
- Animation name
- Animation duration
- Animation delay
- Animation direction
- Animation iteration count

ANIMATION

```css
.main_banner
{
background-color: grey;
animation-name:example;
animation-duration: 4s;
}


@keyframes example
{
    from{background-color: grey;}
    to{background-color: red;}
}
```

EXPLORE

- Pagination
- Button styling
- Resizing
- Column
- Tooltip

WEB LAYOUT

WEB LAYOUT

Home	About	Products	Service	feedback	Contact us

BANNER