Positioning

The position property specifies the type of positioning method used for an element

Syntax:

position: static|absolute|fixed|relative|sticky;

Static:

Default value. Elements render in order, as they appear in the document flow

absolute:

The element is positioned relative to its first positioned (not static) ancestor element

relative:

The element is positioned relative to its normal position, so "left:20px" adds 20 pixels to the element's LEFT position

Sticky:

The element is positioned based on the user's scroll position

fixed:

The element is positioned relative to the browser window

Questions??

Every engineer has a tendency to tinker on a problem, lets answer few of them.

Layers and Z-index

1. In CSS, you can create layers of various divisions. CSS z-index property can be combined with the z-index property to create a layer effect.

2. The z-index property specifies the stacking order of an element. You can specify which element should come on top and which at the bottom.

3. A z-index property can help you to create more complex webpage layouts.

```
.div1{
    position: absolute;
    background-color:■aquamarine;
    border-color: ■red;
    height:3cm;
    width: 30%;
    left:0px;
    top:0px;
}
```

```
.div2{
    position: absolute;
    background-color:■brown;
    border-color: □black;
    height:3cm;
    width: 30%;
    left:100px;
    top:100px;
    z-index:1;
```

```
.div3{
    position: absolute;
    background-color:■rgb(181, 31, 144);
    border-color: □black;
    height:3cm;
    width: 30%;
    left:200px;
    top:200px;
}
```

Questions??

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Session :
FLEX

FLEX

Definition and Usage:

1. The flex property is a shorthand for three individual properties: flex-grow,flex-shrink and flex-basis.

2. It sets the flexible length on items within a flex container.

3. If an element is not a flexible item, the flex property has no effect.

The initial Values are defined as :

Flex-grow : 0

Flex-shrink : 1

Flex-basis : auto

The shorthand notations of all the three elements are defined as :

Flex : initial | auto | 1

FLEX

The Flex values are defined for (flex : initial):

> flex-grow : 0;
>
> flex-shrink : 1;
>
> flex-basis : auto;

The Flex values are defined for (flex : auto):

> flex-grow : 1;
>
> flex-shrink : 1;
>
> flex-basis : auto;

The Flex values are defined for (flex : 1):

> flex-grow : 1;
>
> flex-shrink : 1;
>
> flex-basis : 0;

FLEX

Properties:

      1. flex-direction: row | column | row-reverse | column-reverse

      2. flex-wrap : wrap | nowrap | wrap-reverse

      3. flex-flow : wrap row | wrap column | etc,

      4. justify-content : left | right | center | space-around