# Why is it called a pseudo classes?

### A pseudo class in CSS is used to define the special state of an element.

### It can be combined with a CSS selectors to add an effect to existing elements based on their states

### For example,changing the style of an element when the user hovers over it,or when a link is visited

### All of these can be done using pseudo classes in CSS.

### There are many psudo classes in CSS but the ones that are most commonly used are as follows.

### Hover pseudo class

### This pseudo classes is used to add a special effect to an element when our mouse pointer is over it.

### Active psudo classes

### This pseudo classes is used to select an element that is activated when the user clicks on it.

### Focus pseudo class

### This psedo class is used to select an element that is currently focussed by the user.

### It works on the user input elements used in forms and is trigeered as soon as the user clicks on it.

# What are gradients in CSS?

### CSS gradients let you dsplay smooth trasitions between two or more specified colors.

### CSS defines three types of gradients

### Linear gradient

### Radial gradient

### *Conic gradient*

# CSS Linear Gradients

### To create a linear gradient we must define at least two color stops.Color stops are the colors we want to render smooth trasitiuons among.

# CSS Radial Gradients

### A radial gradient is defined by its center.

### To create a radial gradient we must also define at least two color stops.

# CSS Conic Gradients

### A conic gradient is a gradient with color transitions rotated around a center point.

### To create a conic gradient we must define at least two colors.

# What are the different types of transitions in CSS?

### CSS transitions allows you to change property values smoothly,over a given duration.

### In CSS transitions we have to learn about following properties

### Transitions

### Transitions-delay

### Transition duration

### Transition property

### Transition timing function

### CSS transitions

### To create a transitions effect we must specify two things.

### The CSS property we want to add an effect to

### The duration of the effect.

### Specify the speed curve of the transition

### The transitions timing function property specifies the speed curve of the transition effect.

### The transitions timing function property can have the following values.

### ease : specifies a transition effect with a slow start then fast then end slowly(this is defaut)

### Linear: specifies a transition effect with the same spped from start to end.

### Ease-in : specifies a transitions effect with a slow start.

### Ease-out : specifies a transition effect with a slow end.

### 

### Ease-in-out: specifies a transitions effect with a slow start and end