<!DOCTYPE html>

<html>

<head>

<style>

div {

  width: 100px; /\* This sets the div width \*/

  height: 100px;  background: red; /\* This sets the div color and height \*/

  transition: width 2s, height 2s; /\* This sets the transition time in seconds width, height \*/

}

/\* On mouse hover this set the transition width and height \*/

div:hover {

  width: 200px; /\* this sets the transition to width \*/

  height: 200px; /\* this sets the transition to height \*/

}

</style>

</head>

<body>

<h1>The transition Property</h1>

<p>Hover over the div element below, to see the transition effect:</p>

<!-- This div is the red square -->

<div></div>

</body>

</html>

Shape, square

Description automatically generatedGraphical user interface, text, application

Description automatically generated

<!DOCTYPE html>

<html>

<head>

<style>

div {

  width: 100px;

  height: 100px;

  background: red;

  transition: width 2s;

}

/\*  ease - specifies a transition effect with a slow start, then fast, then end slowly (this is default)

    linear - specifies a transition effect with the same speed from start to end

    ease-in - specifies a transition effect with a slow start

    ease-out - specifies a transition effect with a slow end

    ease-in-out - specifies a transition effect with a slow start and end

    cubic-bezier(n,n,n,n) - lets you define your own values in a cubic-bezier function   \*/

#div1 {transition-timing-function: linear;}

#div2 {transition-timing-function: ease;}

#div3 {transition-timing-function: ease-in;}

#div4 {transition-timing-function: ease-out;}

#div5 {transition-timing-function: ease-in-out;}

#div6 {transition-timing-function: cubic-bezier(0.1, 0.7, 1.0, 0.1);}

/\* x1,y1,x2,y2  Required. Numeric values. x1 and x2 must be a number from 0 to 1 \*/

div:hover {

  width: 300px;

}

</style>

</head>

<body>

<h1>The transition-timing-function Property</h1>

<p>Hover over the div elements below, to see the different speed curves:</p>

<!- These are squares that are displayed in the div ->

<div id="div1">linear</div><br>

<div id="div2">ease</div><br>

<div id="div3">ease-in</div><br>

<div id="div4">ease-out</div><br>

<div id="div5">ease-in-out</div><br>

<div id="div6">cubic-bezier</div><br>

</body>

Chart, bar chart

Description automatically generated</html>