Infosys Springboard | Explore | EN | What do you want to learn?

CSS3

CSS3 is the latest version of Cascading Style Sheets. CSS3 helps the learner in understanding the new selectors introduced in CSS3, new color models of CSS3. Knowled...More

Start

Learning Progress

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Completion Certificate

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Overview | Contents | Discussions

What you will learn

By the end of this course, you will be able to: Apply different CSS3 selectors to HTML elements, Style HTML elements using new color models of CSS3, Style HTML elements using border-radius, box-shadow, text-shadow and border-image, Style text on the web page using web fonts, Create 2D transforms using CSS3, Animate HTML elements using CSS3, Create responsive web pages using media queries, Apply the best practices and implement Security mitigation techniques.

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Show Curators/Contacts

At a glance

- Course
- 10h 45m
- Beginner Level
- Free
- Infosys Wingspan
- EN
- need of CSS3, prerequisites, evolution of CSS, selectors, relational selectors, attribute

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Thank you. Your test submitted.

You have cleared this assessment.

Obtained Percentage	Obtained Marks
60 %	15 / 25

Best Attempt Score:60 % on 11-06-2025

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Sam wants the footer to appear at the bottom of the user's window in all the webpages uniformly. Which of the below property should be used?

- (●) position and bottom
- ( ) display and float
- ( ) position and float
- ( ) display and bottom

Warning

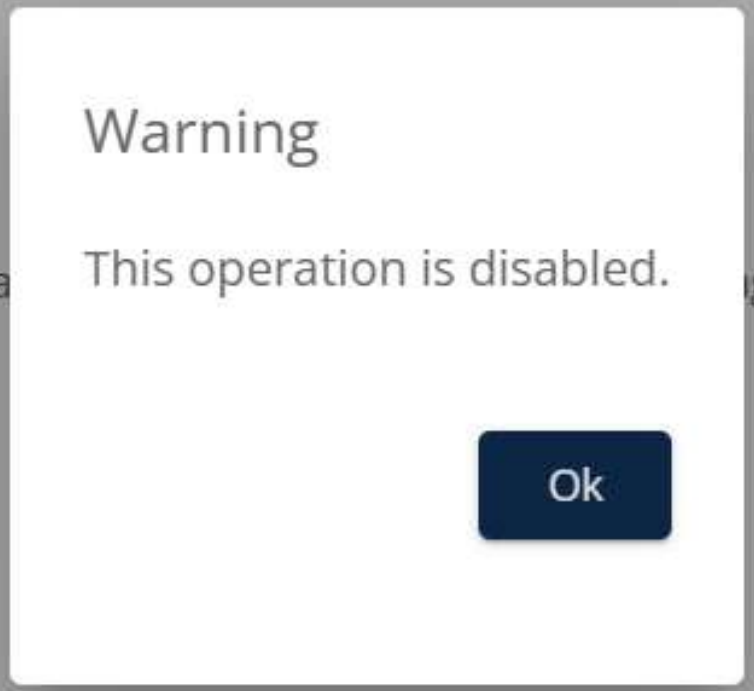
This operation is disabled.

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<body>
        <h1>Heading</h1>
        <p>Paragraph</p>
</body>
</html>
```

Which of the following is the correct option to crea graph? (Select any two)



- [x] margin-top for p tag
- [ ] padding-top for h1 tag
- [ ] spacing for p tag
- [x] margin-bottom for h1 tag

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
div
{
        width:100px;
        height:100px;
        text-shadow: 2px 2px 5px green, 5px 5px 5
}

</style>
</head>
<body>
<div>hello</div>
</body>
</html>
```

Which of the following is correct with res t?

- ◯ Text shadow will not be displayed as text shadow property has additional value
- ◯ Only first text shadow will be applied ignoring the second shadow
- ◉ Both the text shadows will be applied for the text
- ◯ None of the given options

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
div
{
    width:200px;
    height:200px;
    background-color:green;
}
</style>
</head>
<body>
    <div></div>
</body>
</html>
```

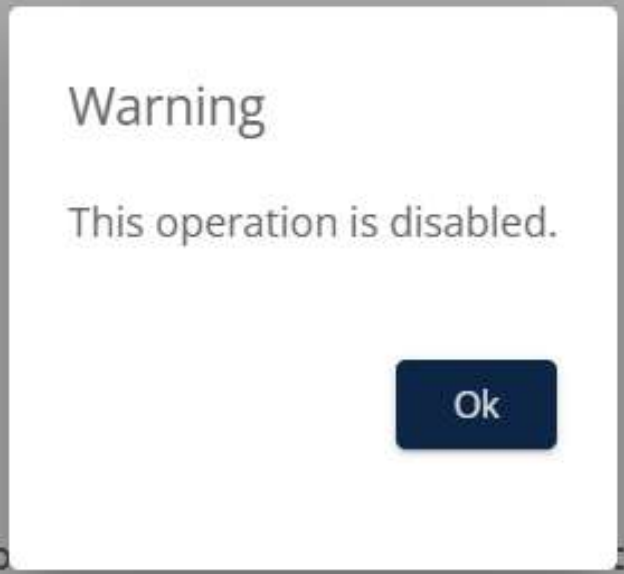
Sajit wants the background color of div t width is between 520 and 699px. Which of the choice is correct for this requirement?

- @screen and (min-width: 699px) and (max-width: 520px) { div{background-color : blue;} }
- @media screen and (min-width: 699px) and (max-width: 520px) { div{background-color : blue;} }
- @media screen and (max-width: 699px) and (min-width: 520px) { div{background-color : blue;} }
- @media screen and (min-width: 699px) { div{background-color : blue;} }

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code

```
<html>
<head>
<style>
    div > p
    {
        color: red;
    }
</style>
</head>
<body>
    <div>
        <p>hi </p>
        <section>
            <p> bye </p>
        </section>
    </div>
</body>
</html>
```



Which of the following is correct with respect to the browser?

- (●) Only “hi” will appear in red color
- ( ) Only “bye” will appear in red color
- ( ) Both “hi” and “bye” will appear in red color
- ( ) None of the “hi” or “bye” will appear in red color

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code

```
<html>
<head>
<link rel="stylesheet" type="text/css" href="selector.css">
</head>
<body>
<div id="content_internal">
        <p>Internal Content</p>
</div>
<div id="external_content">
        <p>External Content</p>
</div>
</body>
</html>
```

Which div will be selected when the below styling code is used?

selector.css

```
div[id^="content"]
{
    width:200px;
    height:200px
}
div[id$="content"]
{
    width:300px;
    height:300px;
}
```

- ◯ only first div
- ◯ only second div
- ◯ both the divs are selected
- ◉ Neither first div nor second div

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code

```
<html>
<head>
</head>
<body>
    <p>Paragraph1</p>
</body>
</html>
```

Which of the following has valid values fo ode HSLA to style the paragraph element?

- (●) hsla(234, 100%, 30%, 0.2)
- ( ) hsla(450, 100%, 30%, 0.8)
- ( ) hsla(332, 100%, 30%, 1.8)
- ( ) hsla(189, 10%, 30%, 2.9)

Warning

This operation is disabled.

Ok

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<!DOCTYPE html>
<html>
<head>
<style>

div
{
    width:100px;
    height:100px;
    color: #000000;
    border:1px solid black;
    background-color:orange;
}

@keyframes fordiv
{
    0%
    {
        left: 0px;
        top:0px;
    }
    100%
    {
        left: 100px;
        top:0px;
    }
}

#div1
{
    position:relative;
    animation-name:fordiv;
    animation-duration:5s;
    animation-timing-function:ease-in-out;
    animation-delay:3s;
    animation-iteration-count:2;
    animation-direction:reverse;

}
</style>
</head>
<body>
   <div id="div1">Changing my position!</div>
</body>
</html>
```

What would be the value of the left and top properties after 3 seconds according to the above code?

- left:0px top:0px
- left:0px top:100px
- [illegible]
- left:100px top:100px

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code

```
<html>
<head>
</head>
<body>
    <img src="fruit.jpg"></img>
</body>
</html>
```

The style mentioned below is an example

img [src = "fruit.jpg"]

Warning

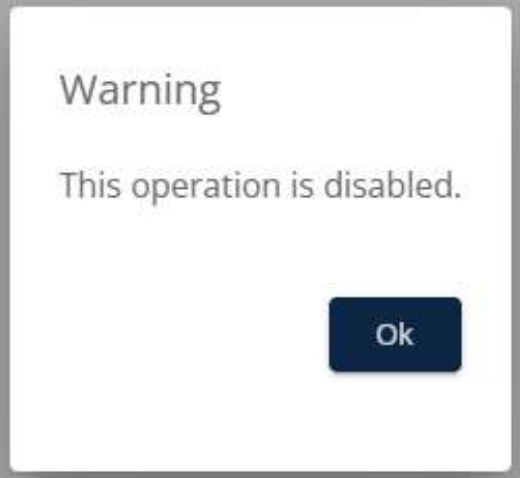
This operation

- (●) Attribute match
- ( ) Exact value match
- ( ) Contains match
- ( ) Substring match

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
div
{
    width:200px;
    height:200px;
    background-color:green;
    transition: width 3s, height 5s, background-color 4s;
}
div:hover
{
    width:300px;
    height:300px;
    background-color:aqua;
}
</style>
</head>
<body>
    <div></div>
</body>
</html>
```



Which of the following is false about transitions? (Select any two)

- [x] Transition will not occur as the transition timing function is not specified to the transition property
- [x] Transition of width, height and background-color of the div element happens as soon as the page is loaded in the browser as transition-delay is not specified.
- [ ] Transition will happen as the transition duration are specified for individual properties
- [ ] None of the options

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
div
{
        width:100px;
        height:100px;
        border:1px solid black;
        transition: width  ease-in , height  ease-out;
}
div:hover
{
       width:200px;
       height:200px;
}
</style>
</head>
<body>
       <div> hello</div>
</body>
</html>
```

What is the reason for the div element not transiting?

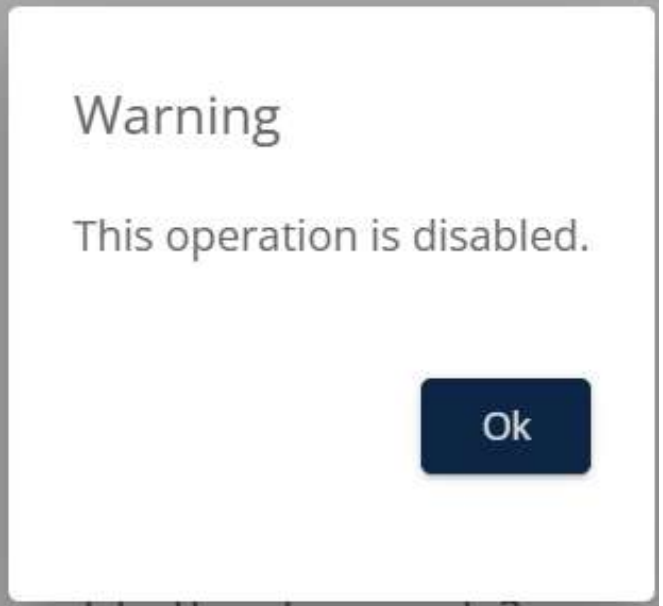
- ◯ transition-duration is not specified
- ◉ transition-delay is not specified
- ◯ transformation is not specified on the div
- ◯ None of the options

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
div
{
        width:100px;
        height:100px;
        border:1px solid black;
        border-radius : 10px;
}

</style>
</head>
<body>
<div></div>
</body>
</html>
```



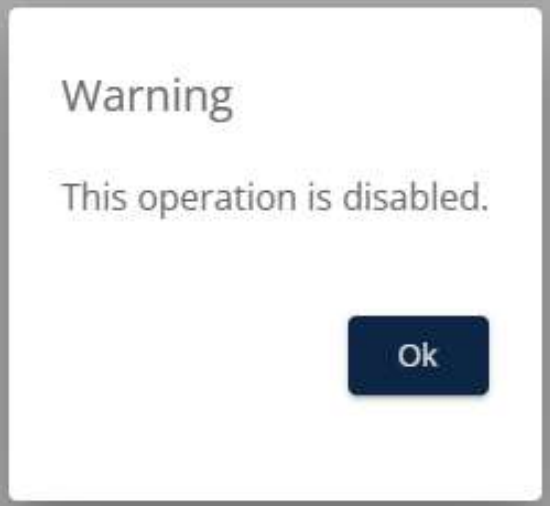
Which of the following is correct with respect to the above code?

- ◯ border-radius will affect all the corners
- ◯ border-radius will affect only top left corner
- ◉ border-radius will affect only top right corner
- ◯ border-radius will affect only top left and bottom right corners

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the code below:

```
<html>
<head>
<style>
p
{
        color:white;
        background:grey;
        animation:myfirst 8s;
        animation-delay:3s;
        animation-direction:reverse;
        animation-fill-mode:forwards;
}
@keyframes myfirst
{
        0%{color:aqua; background:black; }
        100% {color:yellow;background:pink;}
}
</style>
</head>
<body>
        <p align="center">Paragraph</p>
</body>
</html>
```



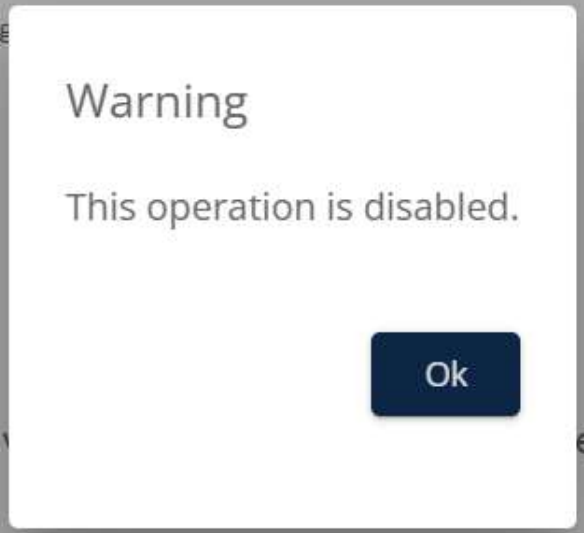
What would be the text-color and background-color of the paragraph after the animation ends?

- ○ white and grey
- ◉ yellow and pink
- ○ aqua and black
- ○ None of the options

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code

```
<html>
<head>
<style>
p
{
        border: 15px solid transparent;
        border-image: url(images/border-image.png
}
</style>
</head>
<body>
        <p>Hello World!!</p>
</body>
</html>
```



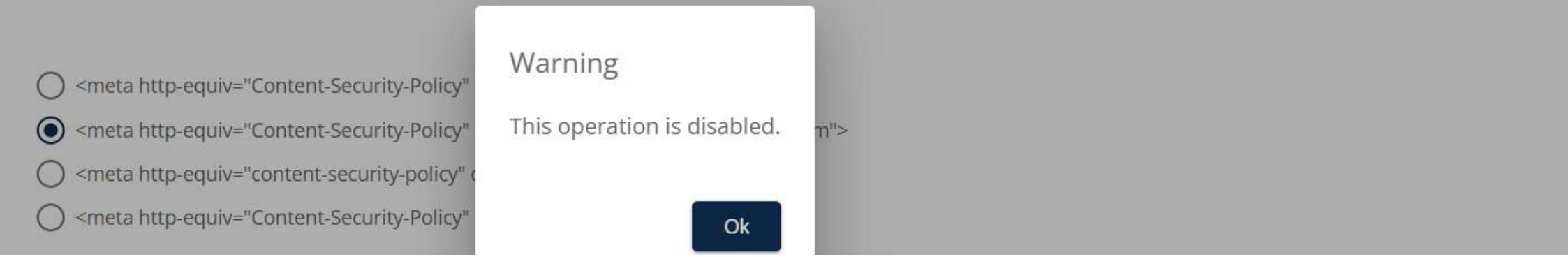
What would be the output when the abo e browser?

- (●) The entire image will be placed at the corners of the paragraph as the image will not be sliced since the border-slice value is not specified.
- ( ) The paragraph will be rendered with border-image by considering the border-slice value as 10% which is the default
- ( ) The paragraph will not be rendered with border-image as border-slice value is not specified
- ( ) None of the given options

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

John wants to prevent CSS injection attack in his web application.

Help John to identify right meta tag to be used in a web page restricting web page to use styling only from the origin same as page is being served and from the domain https://xyz.com ?



For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<!DOCTYPE html>
<html>
<head>
<style>

div
{
    width:100px;
    height:100px;
    color: #000000;
    border:1px solid black;
    background-color:orange;
}

@keyframes fordiv
{
    0%
    {
        background-color:red;
    }
    50%
    {
        background-color:green;
    }
}

#div1
{
    position:relative;
    animation-name:fordiv;
    animation-duration:5s;
    animation-timing-function:ease-in-out;
    animation-delay:1s;
    animation-iteration-count:1;
    animation-fill-mode:forwards;
}
</style>
</head>
<body>
    <div id="div1">Changing my Position!</div>
</body>
</html>
```

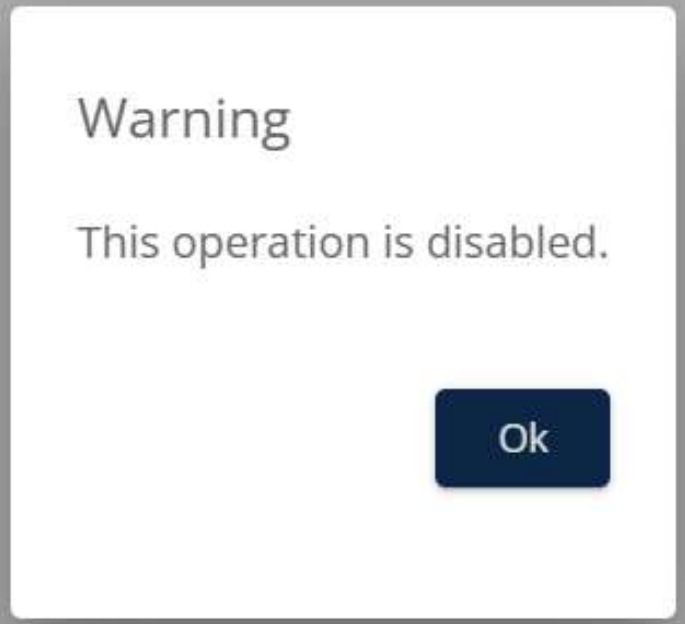
What would be the color of div when the animation ends?

- (●) orange because the last key frame value(100%) is not specified
- ( ) green because 50% is considered as the last key frame
- ( ) None of the given options

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

What is the value of the property border-top-right-radius in the below code?

```
<html >
<head>
<style>
#border
{
        border:3px solid blue;
        background: #ff0000; width:200px;
        height:100px;
        border-radius: 90px 0px 30px ;
}
</style>
</head>
<body>
        <p id="border"></p>
</body>
</html>
```



- ○ 90px
- ◉ 0px
- ○ 30px
- ○ data missing in the code

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

The font-family property is specified for a paragraph in the webpage as shown in the below code snippet

```
p
{
    font-family : "open Sans", Arial;
}
```

Which of the following is/are false about the above

- [x] The font-family property can take only the fo ser, otherwise there will be an error
- [x] The font-family Arial should be mentioned in
- [x] Multiple font families cannot be specified to
- [ ] None of the options

Warning

This operation is disabled.

Ok

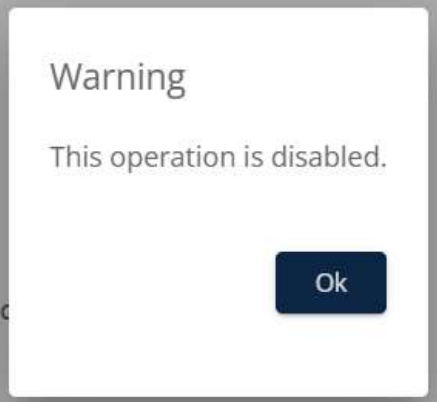
For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Mr. Sunil wants to design a bouncing ball animation. Sunil wants multiple balls to bounce within the specified container from the top edge of the container to the bottom edge of the container. So Sunil has defined the following animation

```
@keyframes move
{
    0%
    {
        bottom: 10px;
    }
    50%
    {
        bottom: 90px;
    }
    100%
    {
        bottom: 10px;
    }
}
```

Now Sunil wants the balls to start bouncing at d

Which of the following should Sunil use?

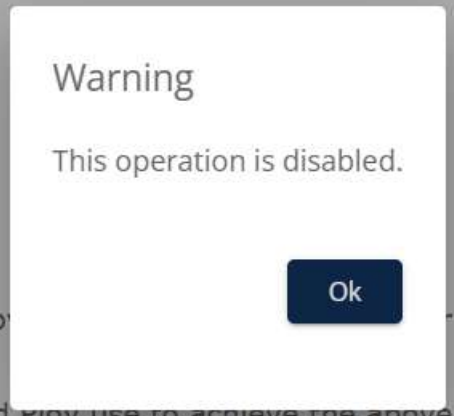


- ○ Sunil cannot achieve this requirement using animation, transition should be used
- ○ Sunil needs to specify separate animation for each ball element
- ○ The animation should specify top property instead of bottom and use the animation for all the ball elements
- ◉ Sunil can specify the same animation for all the balls and need to change the animation-delay

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
div
{
        width:100px;
        height:100px;
        border:1px solid black;
        background:blue;
}
</style>
<head>
<body>
<div></div>
</body>
</html>
```



Ploy wants to increase the size of an element b 4 seconds when hovered on div. Ploy wants the size of the element to be increased incrementally for every second.

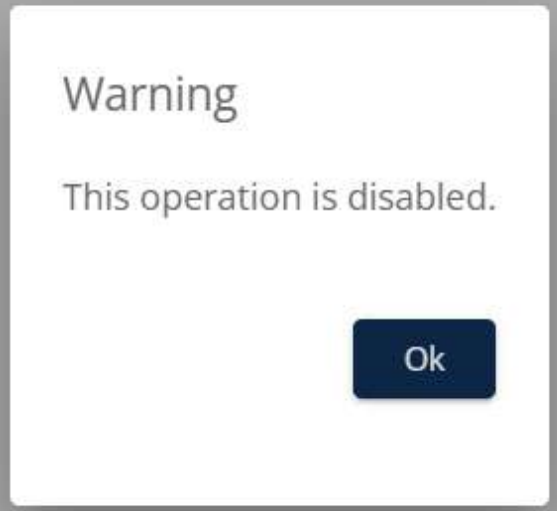
Which of the following styling statement should Ploy use to achieve the above requirement?

- ○ div { width:100px; height:100px; border:1px solid black; background:blue; transition: width 4s, height 4s } div:hover { width:500px; height:500px; transform:scale(4); }
- ◉ div { width:100px; height:100px; border:1px solid black; background:blue; transition: width 4s, height 4s } div:hover { width:500px; height:500px; }
- ○ div { width:100px; height:100px; border:1px solid black; background:blue; transition: 4s } div:hover { transform:scale(4); }
- ○ div { width:100px; height:100px; border:1px solid black; background:blue; transition: 4s steps(4) } div:hover { transform:scale(4); }

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

When the below web page is rendered on the browser, what would be the position of div when the mouse hovers on it?

```
<html>
<head>
<style>
div
{
        width:100px;
        height:100px;
        border:1px solid black;
}
div:hover
{
        transform:translate(0,100px);
}
</style>
</head>
<body>
<div></div>
</body>
</html>
```



- ◯ The div will be moved 100px to the right
- ◯ The div will be moved 100px upwards
- ◉ The div will be moved 100px downwards
- ◯ The div will be moved 100px to the left

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
p
{
        color:white;
        background:grey;
        animation:myfirst 8s;
        animation-delay:3s;
        animation-direction:reverse;
        animation-fill-mode:backwards;
}
@keyframes myfirst
{
        0%{color:aqua; background:black; }
        100% {color:yellow;background:pink;}
}
</style>
</head>
<body>
        <p align="center">Paragraph</p>
</body>
</html>
```

What would be the text-color and background-color of the paragraph before the animation starts?

- ○ aqua and black
- ○ yellow and pink
- ◉ white and grey
- ○ None of the options

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
div
{
        width:100px;
        height:100px;
        border:1px solid black;
        border-radius:0;
}
</style>
</head>
<body>
<div></div>
</body>
</html>
```

What would be the output when the above code

- ○ The corner of the div will curve horizontally
- ○ The corner of the div will curve vertically
- ◉ The corners will not be curved
- ○ Error will be thrown

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Look at the below code:

```
<html>
<head>
<style>
        div ~ p
        {
                color : green
        }
</style>
</head>
<body>
        <p id="p1">This is paragraph1</p>
        <div id="div1">This is a div</div>
        <p id="p2">This is a paragraph2</p>
        <p id="p3">This is paragraph3</p>
        <section id="s1">
                <p id="p4">This is paragraph4</p>
        <section>
</section>
</body>
</html>
```

Warning

This operation

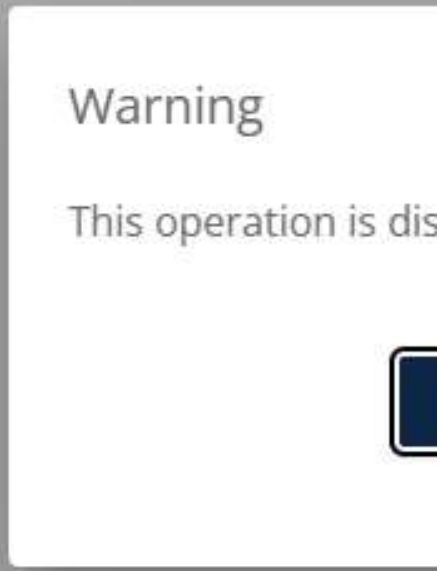
What would be the output of the above code snippet?

- ○ paragraph1, paragraph2, paragraph3 and paragraph4 are rendered in green color
- ○ paragraph2, paragraph3 and paragraph4 are rendered in green color
- ◉ paragraph2 and paragraph3 are rendered in green color
- ○ None of the paragraph will appear in green color

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Which of the following option is correct if the below code is rendered in the browser?

```
<html>
<head>
<style>
        body
        {
                font-family: sans-serif;
        }
        h1
        {
                background-color: grey;
        }
</head>
</style>
<body>
        <h1>This is a heading</h1>
        <p> This is a paragraph</p>
</body>
</html>
```



- Content of h1 tag is not styled
- Content of h1 tag is styled for only background-color
- Content of h1 tag is styled for both font-family and background-color
- Content of h1 tag is styled for only font-family

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard