

1. Demonstrate gradient in CSS.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Gradient</title>

  <style>

    .container{

      display: flex;

    }

    .first{

      border: 1px solid black;

      height: 500px;

      width: 500px;

      margin: auto;

      background-image: linear-gradient(to bottom right,red ,yellow );

    }

  </style>

</head>

<body>

  <div class="container">

    <div class="first">

    </div>

  </div>

</body>

</html>
```

```
.second{  
  
    border: 1px solid black;  
  
    height: 500px;  
  
    width: 500px;  
  
    margin: auto;  
  
    background-image: radial-gradient(ellipse,red,green,yellow);  
  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
<div class="first"></div>
```

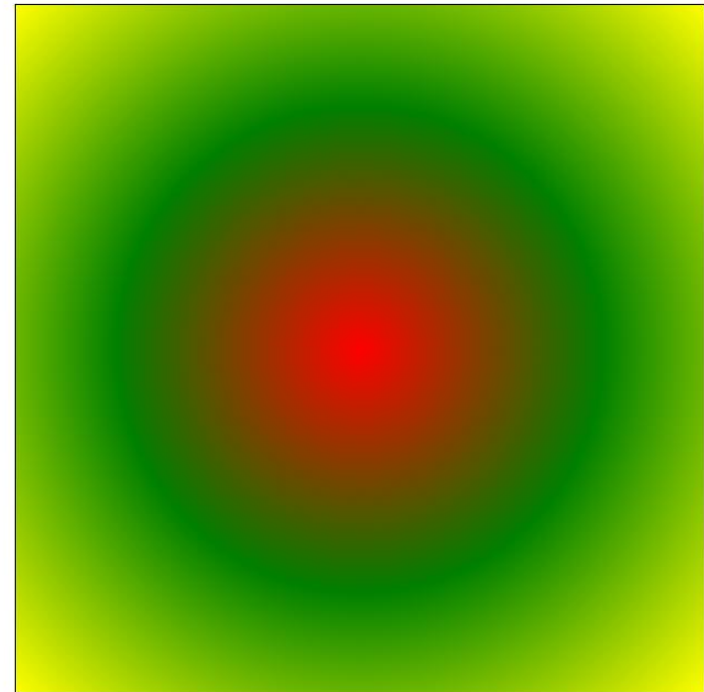
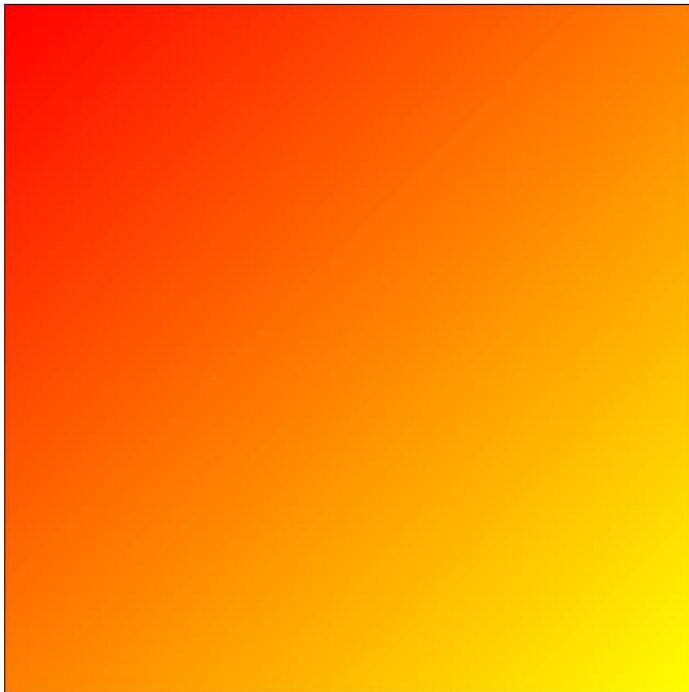
```
<div class="second"></div>
```

```
</div>
```

```
</body>
```

```
</html>
```

OUTPUT



2. Write an HTML snippet with CSS for following effects:

- Link after visited red color before visited orange color.
- Add special style(change color, font size etc) to first line of paragraph.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Styled Links & Paragrap h</title>
```

```
<style>
```

```
a:link { /* pseudo class */
```

```
color: orange;
```

```
}
```

```
a:visited { /* pseudo class */
```

```
color: blue;
```

```
}
```

```
p::first-line { /* pseudo element */
```

```
color: blue;
```

```
font-size: 1.5em;

font-weight: bold;

}

</style>

</head>

<body>

  <a href="https://darshan.ac.in/">DU</a>

  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Blanditiis deserunt facilis corrupti accusantium,
    veritatis voluptate harum? Ad delectus iste vero, libero impedit, expedita corrupti, non soluta eos repudiandae
    consequuntur numquam.</p>

</body>

</html>
```

OUTPUT

[DU](https://darshan.ac.in/)

Lorem ipsum dolor sit amet consectetur adipisicing elit. Blanditiis deserunt facilis corrupti accusantium, veritatis voluptate harum?

Ad delectus iste vero, libero impedit, expedita corrupti, non soluta eos repudiandae consequuntur numquam.

3. Write an HTML snippet with CSS for following effects:

- **Add special style (change color,font size etc) to first letter of paragraph**
- **Change background color to yellow when user select particular text**
- **Add special style to an element when user mouse over it.**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Document</title>
```

```
<style>
```

```
p::first-letter{ /* pseudo element */
```

```
font-size: large;
```

```
color: red;
```

```
font-weight: bold;
```

```
}
```

```
p::selection{ /* pseudo element */
```

```
background-color: yellow;
```

```
}
```

```
h5:hover{ /* pseudo class */  
  
    background-color:aliceblue;  
  
    color:gray;  
  
}  
  
</style>  
  
</head>  
  
<body>  
  
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Non cumque eum repellat quas voluptatem adipisci, itaque  
        delectus maxime ipsam est. Eveniet, numquam! Porro corporis necessitatibus minima doloremque itaque nemo neque!  
    </p>  
  
    <h5>This sentence change style when u over the mouse</h5>  
  
</body>  
  
</html>
```

OUTPUT

Lorem ipsum dolor sit amet consectetur adipisicing elit. Non cumque eum repellat quas voluptatem adipisci, itaque delectus maxime ipsam est. Eveniet, numquam! Porro corporis necessitatibus minima doloremque itaque nemo neque!

This sentence change style when u over the mouse

pseudo class : https://www.w3schools.com/cssref/css_ref_pseudo_classes.php

pseudo element : https://www.w3schools.com/cssref/css_ref_pseudo_elements.php