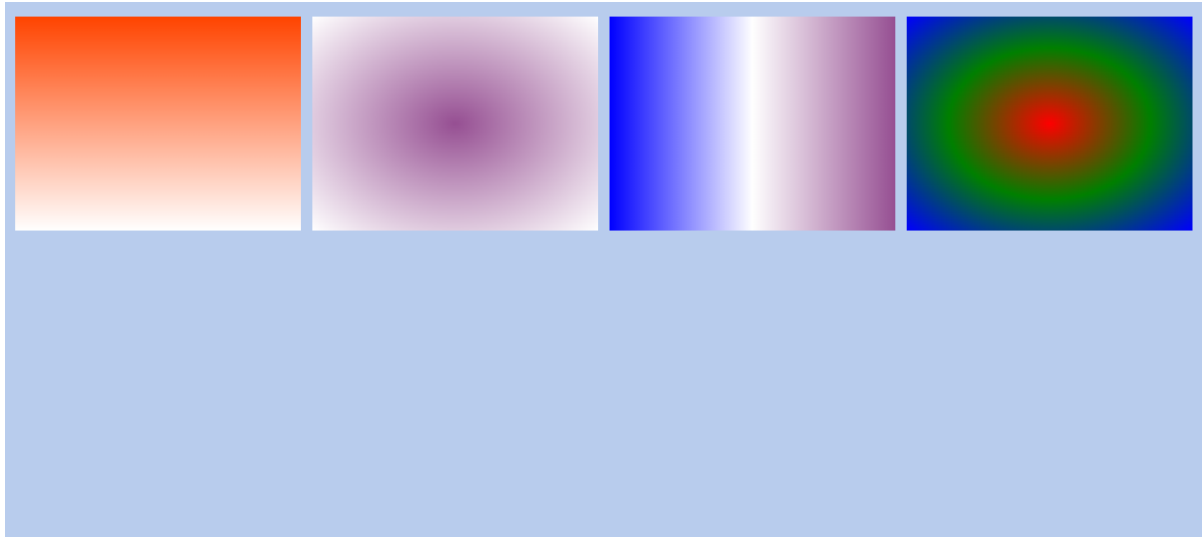


## Code Challenge 1

**Write proper code to generate the below-given output :**

1. Create the below given Linear and Radial gradients.



## **Solution to Code Challenge 1:**

```
<!doctype html>
<html>
<head>
<title> Gradients : </title>
<style>
body{background-color: #b8cced;}
.container div
{
    width:200px;
    height:150px;
    display:inline-block;
    margin:2px;
}

.linear{background-image:linear-gradient(to bottom, rgb(255, 68, 0),
#ffffff);}

.radial{background-image:radial-gradient(#830960a3,#ffffff);}
```

```
.linear1{background-image:linear-gradient(to left, #830960a3, #ffffff,
blue);}

.radial1{background-image: radial-gradient(ellipse, red,green,blue);}

</style>
</head>
<body>
<div class="container">
  <div class="linear"></div>
  <div class="radial"></div>
  <div class="linear1"></div>
  <div class="radial1"></div>
</div>
</body>
</html>
```

## Code Challenge 2

### Write proper code to generate the below-given output :

1. Use CSS Animations and variables to create an animation where a div increases its width while moving up and decreases its width while moving down and moves from top to bottom infinitely and changes colors during the animation.
2. Use CSS variables as well.

### Solution to Code Challenge 2:

```
<!DOCTYPE html>
<html>
  <head>
    <title>

    </title>
  </head>
  <body>
    <div>
    </div>
  </body>
</html>

<style>
  :root{
    --divWidth : 300px;
    --divHeight : 100px;
    --divBorderRadius : 10px;
    --divPosition : absolute;
    --divLeft : 0;
    --divRight : 0;
    --divMarginLeft : auto;
    --divMarginRight : auto;
  }

  div {
    animation-name: my-animation;
    animation-duration: 2s;
    animation-direction: alternate;
    animation-iteration-count: infinite;
    animation-timing-function: linear;

    width: var(--divWidth);
    height: var(--divHeight);
    border-radius: var(--divBorderRadius);
    position: var(--divPosition);
    left: var(--divLeft);
    right: var(--divRight);
  }
</style>
```

```
margin-left: var(--divMarginLeft);
margin-right: var(--divMarginRight);
}

@keyframes my-animation {
  from {
    background-color: #ff7a59;
    width: 300px;
    top: 10px;
  }
  to {
    background-color: #33475b;
    width: 50px;
    top: 100px;
  }
}
</style>
</head>
<body>
  <div></div>
</body>
</html>
```

The video for Coding problem 14 output can be accessed from [here](#).