

Advanced CSS

Assignment

QUESTION 1: For this assignment, your goal is to implement a basic CSS gradient. In this coding challenge, your task is to design a demo page for a webpage with a gradient background. The goal is to recreate a gradient background similar to the image provided.?

ANSWER:

PROGRAM:

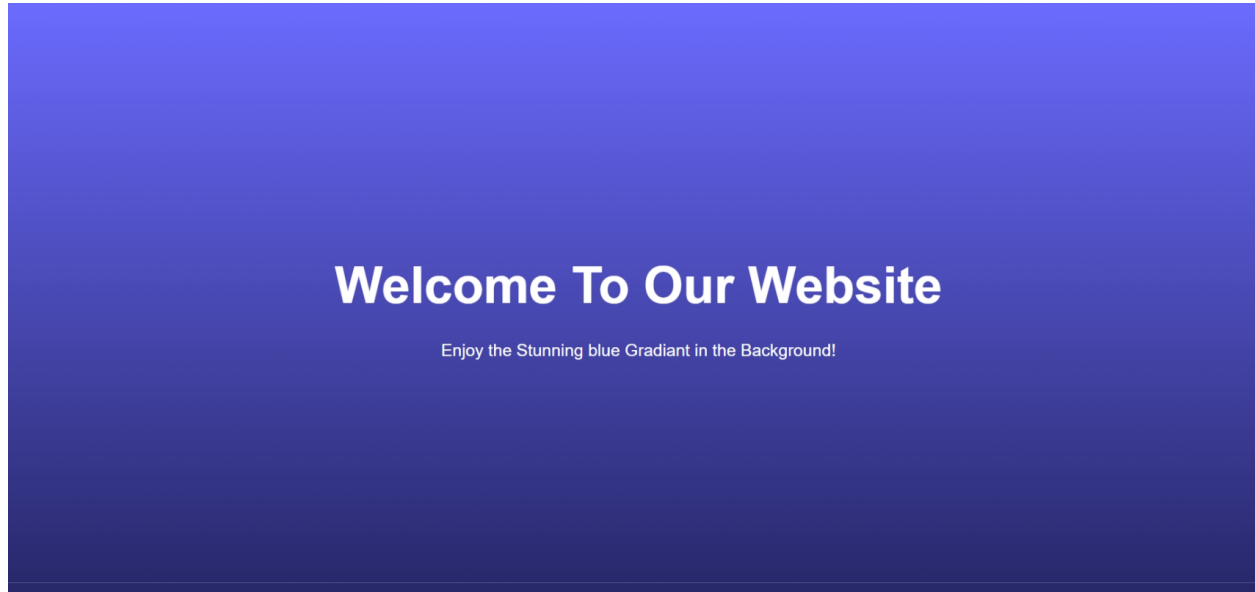
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    body{
      display: flex;
      flex-direction: column;
      height: 100vh;
      background-image: linear-gradient(to top , #272769, #6b6bff );
      align-items: center;
      justify-content: center;
      font-family: Arial, sans-serif;
      color: white;
    }

    h1{
      font-size: 60px;
      margin-bottom: 10px;
    }
    p{
      font-size: 20px;
    }

  </style>
</head>
<body>
  <h1>Welcome To Our Website</h1>
  <p>Enjoy the Stunning blue Gradient in the Background!</p>
```

```
</body>
</html>
```

OUTPUT:



QUESTION 2: Color gradients are often used for primary containers in webpages, such as the background of some sections. In this coding challenge let's try to implement an analytics section of a webpage as shown in the below image.?

ANSWER:

PROGRAM:

```
<!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>
  .box{
    max-width: 1200px;
    margin: auto;
    border-radius: 20px;
    display: flex;
    justify-content: space-around;
    gap: 25px;
    color: white;
    padding: 20px;
```

```
font-family: Arial, Helvetica, sans-serif;
background:linear-gradient(90deg,
  rgba(207, 131, 226, 1) 17%,
  rgba(149, 59, 213, 1) 100%);
```

```
}
```

```
section{
  display: flex;
  flex-direction: column;
  margin: 0;
  align-items: center;
}
```

```
h1{
  margin: 0;
  font-style: italic;
  font-size: 40px;
```

```
}
```

```
p{

  margin: 0;

  font-weight: bold;
}
```

```
</style>
</head>
<body>
  <div class="box">
    <section>
      <h1>15+</h1>
      <p>Years Experience</p>
    </section>
    <section>
      <h1>24.5 T+</h1>
      <p>Invested on Coinyx</p>
    </section>
    <section>
      <h1>115+</h1>
      <p>Professional Team</p>
    </section>
    <section>
      <h1>262+</h1>
      <p>Total Global Node</p>
    </section>
```

```
</div>
```

```
</body>
```

```
</html>
```

OUTPUT:



QUESTION 3: Transforming an element by an angle using CSS transform is important as it allows for the creation of visually dynamic and engaging web designs by rotating elements. In this coding challenge let's create a sticky note and on hovering the sticky note, it should transform by rotating 90 degrees anti-clockwise. These types of transformations are usually implemented on the landing pages. Below are the images for reference.?

ANSWER:

PROGRAM:

```
<!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>
    section{
      width: 300px;
      margin: 200px auto;
      padding: 30px;
```

```

border: 2px solid black;
border-radius: 10px;
background: linear-gradient(90deg,
  rgba(69, 164, 221, 1) 11%,
  rgba(51, 78, 194, 1) 100%);
font-family: Arial, Helvetica, sans-serif;
cursor: pointer;
}
section:hover{
  transform: rotate(40deg);
}

.head{
  display: flex;
  justify-content: space-between;
  align-items: center;
}
h1{
  color: black;
}
p{
  color: white;
}

.body{
  margin-top: 0;
  padding: 10px;
}

button{
  width: 100%;
  padding: 10px 0px;
  border: none;
  border-radius: 5px;
  font-weight: bold;
  background: linear-gradient(
    90deg,
    rgba(69, 221, 219, 1) 11%,
    rgba(51, 194, 91, 1) 100%);
}

</style>
</head>
<body>
<section>

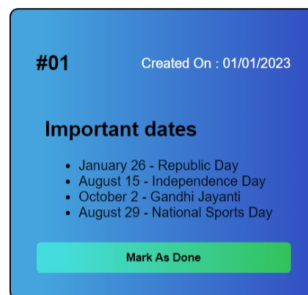
```

```
<div class="head">
  <h1>#01</h1>
  <p>Created On : 01/01/2023</p>
</div>
<div class="body">
  <h1> Important dates</h1>
  <ul>
    <li>January 26 - Republic Day</li>
    <li>August 15 - Independence Day</li>
    <li>October 2 - Gandhi Jayanti</li>
    <li>August 29 - National Sports Day</li>
  </ul>

</div>
<div class="foot">
  <button>Mark As Done</button>
</div>
</section>

</body>
</html>
```

OUTPUT:



QUESTION 4: let's now try to implement the CSS transform and transition property. In this coding challenge, you are expected to create a simple webpage with an image as shown in the reference image below. Note that website responsiveness is optional. On hovering the image must be zoomed slowly.?

ANSWER:

PROGRAM:

```
<!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>
    body{

      overflow: hidden;
      display: flex;
      height: 100vh;
      justify-content: center;
      align-items: center;
    }

    img{
      height: 500px;
      width: 800px;
      border: 5px solid black;

    }

    img:hover{
      scale: 1.5;
      transition: 1.5s;
    }

  </style>

</head>
<body>
  
</body>
</html>
```

OUTPUT:



QUESTION 5: In this coding challenge, create a simple webpage that initially applies a blur effect to an image, and upon hovering over it, the image gradually becomes clear and revealed. Such effects are commonly utilized when unveiling new offers or showcasing hidden content.?

ANSWER:

PROGRAM:

```
<!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>
    body{
      height: 100vh;
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
    }
    h1{
      font-size: 50px;
      text-decoration: underline;
      font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
        "Lucida Sans", Arial, sans-serif;;
    }
  }
```



```
img{
  height: 500px;
  width: 800px;
  filter: blur(1rem);
  border: 5px solid black;
}
img:hover{
  filter: blur(0rem);
  transition: 2s;
}
</style>
</head>
<body>
  <h1>Hover To Reveal The Image.</h1>
  

</body>
</html>
```

OUTPUT:

Hover To Reveal The Image.



QUESTION 6:The grayscale look is important as it can evoke a sense of nostalgia or create a timeless aesthetic in web design. In this coding challenge let's try to implement the grayscale filter. The task is to apply a grayscale filter to a colorful image on cover.?

ANSWER:

PROGRAM:

```

<!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>
    body{display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;

      font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
        "Lucida Sans", Arial, sans-serif;

    }

    h1{
      font-size: 50px;
      text-decoration: underline;
    }

    img{
      height: 600px;
      width: 800px;
      border-radius: 20px;
    }
    img:hover{
      filter: grayscale(1);
      transition: 1s;
    }
  </style>
</head>
<body>
  <h1>Hover To Have A Grey Scale Look </h1>
  

</body>
</html>

```

OUTPUT:

Hover To Have A Grey Scale Look



QUESTION 7: In this coding challenge, we will explore CSS button animations commonly used in product landing pages to attract users' attention and encourage product registration. A good example can be found at [https:// codercommunity.io/](https://codercommunity.io/) . Let's create a similar animated button in this assignment to capture the user's attention on our landing page.?

ANSWER:

PROGRAM:

```
<!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>
    body{
      height: 100vh;
      display: flex;
      align-items: center;
      justify-content: center;
    }

    button{
      padding: 15px 40px;
      border-radius: 10px;
      background: linear-gradient( 90deg,
        rgba(69, 103, 221, 1) 11%,
```

```
    rgba(60, 51, 194, 1) 100%);
    animation: bouncing 1s infinite alternate;
```

```
    }
    a{
        font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
        "Lucida Sans", Arial, sans-serif;
        color: white;
        text-decoration: none;
```

```
    }
```

```
@keyframes bouncing {
    0%,
    100% {
        transform: translateY(-25%);
        animation-timing-function: cubic-bezier(0.8, 0, 1, 1);
    }
    50% {
        transform: translateY(0);
        animation-timing-function: cubic-bezier(0, 0, 0.2, 1);
    }
}
```

```
</style>
</head>
<body>
    <button><a href="https://pwskills.com/">Click Me To Visit PW Skills</a></button>

</body>
</html>
```

OUTPUT:

[Click Me To Visit PW Skills](#)

QUESTION 8: In this coding challenge, we will explore CSS animations, focusing on the commonly used loading spinner. Your task is to implement a page-loading spinner, similar to the one shown in the below image.?

ANSWER:

PROGRAM:

```
<!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>

    .card{
      width: 450px;
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
"Lucida Sans", Arial, sans-serif; ;
      background: #252525;
      padding: 10px;
```

```
border: 3px solid #ffffff;
border-radius: 20px;
margin: auto;
```

```
}
```

```
img{
  height: 120px;
  width: 210px;
}
```

```
h1{
  font-size: 30px;
  text-align: center;
  color: white
}
```

```
p{
  max-height: 200px;
  padding: 10px;
  color: #a7a5a5;
  overflow-y: scroll;
}
::-webkit-scrollbar{
  width: 2px;
}
::-webkit-scrollbar-thumb{
  background-color: #a7a5a5;
  border-radius: 2px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<section class="card">
```

```

```

```
<div>
```

```
<h1>Apple Inc</h1>
```

```
<p>Apple Inc., founded on April 1, 1976, by Steve Jobs, Steve Wozniak, and Ronald Wayne, is a multinational technology company headquartered in Cupertino, California.
```

```
<br><br>
```

```
Apple is renowned for its innovative consumer electronics, software, and online services, including the iPhone, iPad, Mac, Apple Watch, and Apple TV.
```

```
<br><br> The company's success can be attributed to its commitment to sleek design, intuitive user interfaces, and seamless integration between hardware and software.
```


 Apple's ecosystem, centered around services like iCloud, iTunes, and the App Store, has created a loyal customer base and fosters an interconnected user experience across its products.

Under the leadership of Steve Jobs, Apple revolutionized the technology industry with groundbreaking products like the iPod, iPhone, and iPad, setting new standards for smartphones, portable music players, and tablets.</p>

</div>

</section>

</body>

</html>

OUTPUT:



QUESTION 9:In this coding challenge, our goal is to implement CSS webkit and define CSS custom properties. The expected output, as shown in the provided image, demonstrates the usage of the same color in multiple places. To avoid repetition, we will define a custom color property at the top and utilize it throughout the webpage. additionally, the content section will also incorporate a customized scrollbar by utilizing a CSS webkit to achieve the desired output.?

ANSWER:
PROGRAM:

```
<!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>

    .card{
      width: 450px;
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
"Lucida Sans", Arial, sans-serif; ;
      background: #252525;
      padding: 10px;
      border: 3px solid #ffffff;
      border-radius: 20px;
      margin: auto;

    }

    img{
      height: 120px;
      width: 210px;
    }

    h1{
      font-size: 30px;
      text-align: center;
      color: white
    }

    p{
      max-height: 200px;
      padding: 10px;
      color: #a7a5a5;
      overflow-y: scroll;
    }
    ::-webkit-scrollbar{
      width: 2px;
    }
```



```
::-webkit-scrollbar-thumb{
  background-color: #a7a5a5;
  border-radius: 2px;
}
```

```
</style>
</head>
<body>
  <section class="card">
    
    <div>
      <h1>Apple Inc</h1>
      <p>Apple Inc., founded on April 1, 1976, by Steve Jobs, Steve Wozniak, and Ronald Wayne, is a
multinational technology company headquartered in Cupertino, California.
      <br><br>
      Apple is renowned for its innovative consumer electronics, software, and online services, including
the iPhone, iPad, Mac, Apple Watch, and Apple TV.
      <br><br> The company's success can be attributed to its commitment to sleek design, intuitive
user interfaces, and seamless integration between hardware and software.
      <br><br> Apple's ecosystem, centered around services like iCloud, iTunes, and the App Store, has
created a loyal customer base and fosters an interconnected user experience across its products.
      <br><br>Under the leadership of Steve Jobs, Apple revolutionized the technology industry with
groundbreaking products like the iPod, iPhone, and iPad, setting new standards for smartphones,
portable music players, and tablets.</p>

    </div>

  </section>

</body>
</html>
```

OUTPUT:



Apple Inc

Apple is renowned for its innovative consumer electronics, software, and online services, including the iPhone, iPad, Mac, Apple Watch, and Apple TV.

The company's success can be attributed to its commitment to sleek design, intuitive user interfaces, and seamless integration between hardware and software.

Apple's ecosystem, centered around services like iCloud, iTunes, and the App Store, has created a loyal customer base and fosters an interconnected user experience across