More on Css

Assignment Solution

1. Create a navigation bar similar to the below-mentioned image. The navigation bar must contain 5 navigation links that are properly placed within the navigation bar using the CSS box model. The navigation items must change their text color on hover.

| Home | About Us | Contact | Blog | Login |

Solution:

```
<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Navigation Bar</title>

    <style>
        nav {
            background-color: cornflowerblue;
            padding: 20px;
        }

        a {
            color: #fff;
            margin-right: 20px;
            margin-left: 20px;
        }

        a:hover {
            color: #000;
        }
    </style>
</head>
<body>
    <nav>
        <a href="#">Home</a><a href="#">About Us</a><a href="#">Contact</a
        ><a href="#">Blog</a><a href="#">Login</a>
    </nav>
</body>
```
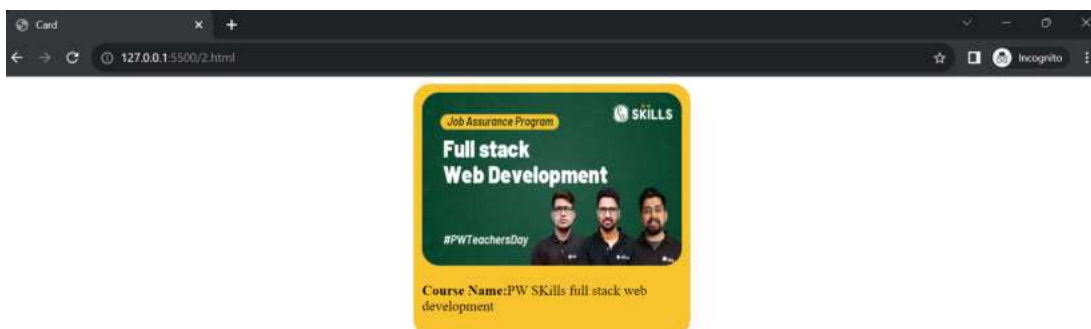
2. Create a div centered with an image and paragraph similar to the image mentioned below.

Solution:

```html
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Card</title>

  <style>
    img {
      height: 200px;
      width: 300px;
      border-radius: 20px;

    }

    div {
      margin: 0 auto;
      background-color: #f8c42e;
      width: 300px;
      padding: 10px;
      border-radius: 20px;
    }
  </style>
</head>

<body>
  <div>
    <img src="https://cdn.pwskills.com/assets/uploads/
thumbnails/64a514966977cc6e87e27504.png"
      alt="PW Skills Full stack web development" />
    <p><b>Course Name:</b>PW SKills full stack web development</p>
  </div>

</body>
```

3. Create a navigation bar similar to question 1. For each navigation item, use a different border style.

Solution:

```html
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Navigation Bar</title>

  <style>
    nav {
      background-color: cornflowerblue;
      padding: 20px;
    }
```

```
    a {
      color: #fff;
      margin-right: 20px;
      margin-left: 20px;
    }

    a:hover {
      color: #000;
    }

    .nav-link-1 {
      border: 3px solid black;
      padding: 5px;
    }

    .nav-link-2 {
      border: 3px dotted black;
      padding: 5px;
    }

    .nav-link-3 {
      border: 3px dashed black;
      padding: 5px;
    }

    .nav-link-4 {
      border: 3px double black;
      padding: 5px;
    }

    .nav-link-5 {
      border: 3px groove black;
      padding: 5px;
    }
  </style>
</head>
<body>
  <nav>
    <a href="#" class="nav-link-1">Home</a
    ><a href="#" class="nav-link-2">About Us</a
    ><a href="#" class="nav-link-3">Contact</a
    ><a href="#" class="nav-link-4">Blog</a
    ><a href="#" class="nav-link-5">Login</a>
  </nav>
</body>
```

Browser output

4. Create a simple webpage with an image and make the image circular using border-radius.

Solution:

```html
<head>
   <meta charset="UTF-8" />
   <meta http-equiv="X-UA-Compatible" content="IE=edge" />
   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
   <title>Circular Image</title>
   <style>
     img {
       border-radius: 50%;
       background-color: red;
     }
   </style>
</head>

<body>
   <img src="https://starsunfolded.com/wp-content/uploads/2022/12/Alakh-Pandey.jpg" alt="Alakh
Pandey" />
</body>
```

Browser output

5. Create a simple blog website about Google fonts. The webpage must have the heading with "Oswald" font align center to the page, below the heading have an image of Google fonts and a paragraph about Google fonts in font "Montserrat" paragraph font style should be "montserrat" font.

Solution:

```
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Google Fonts</title>
  <style>
    @import url("https://fonts.googleapis.com/css2?
family=Montserrat:wght@300&family=Oswald:wght@500&display=swap");

    h1 {
      text-align: center;
      font-family: "Oswald", sans-serif;
    }

    img {
      width: 450px;
    }

    p {
      font-family: "Montserrat", sans-serif;
    }
  </style>
</head>
<body>
  <h1>Google Fonts</h1>
  <img
    src="https://i.ytimg.com/vi/8WJOZzsg_F8/maxresdefault.jpg"
    alt="Google Fonts"
  />
  <p>
    Google Fonts is a library of 1513 open source font families and APIs for
    convenient use via CSS and Android. The library also has delightful and
    beautifully crafted icons for common actions and items. Download them for
    use in your digital products for Android, iOS, and web.
  </p>
  <p>
    Our font catalog places typography front and center, inviting users to
    explore, sort, and test fonts for use in more than 135 languages. We
    showcase individual type designers and foundries, giving you valuable
    information about the typographers and their process, as well as analytics
    on usage and demographics. Our series of thematic collections helps you
    discover new fonts that have been vetted and organized by our team of
    designers, engineers, and collaborators, and our default sort organizes
```
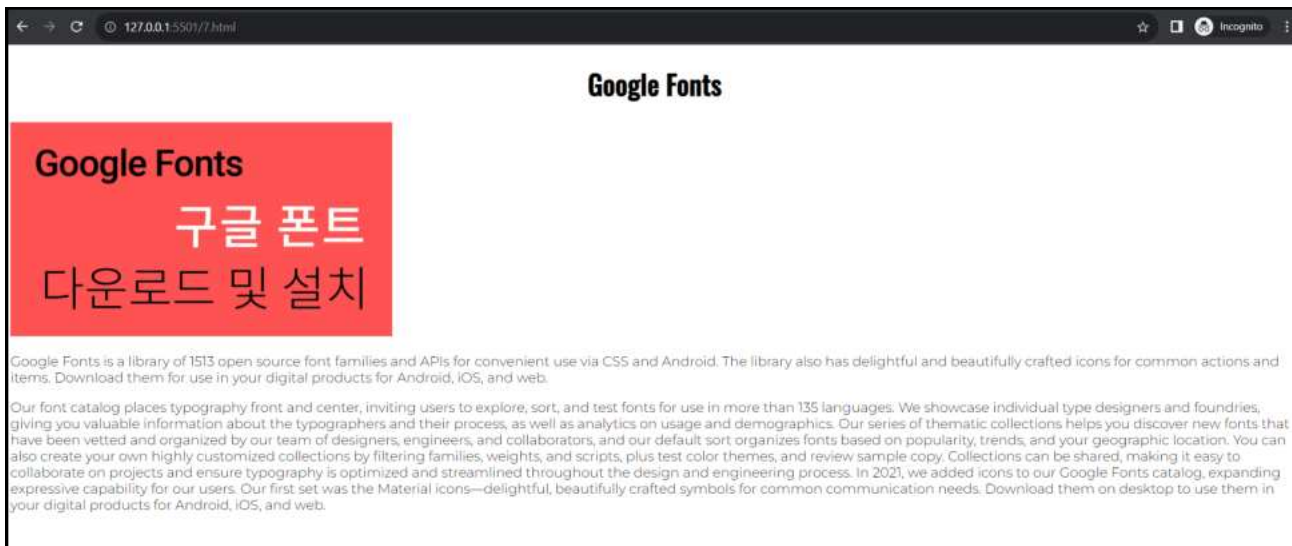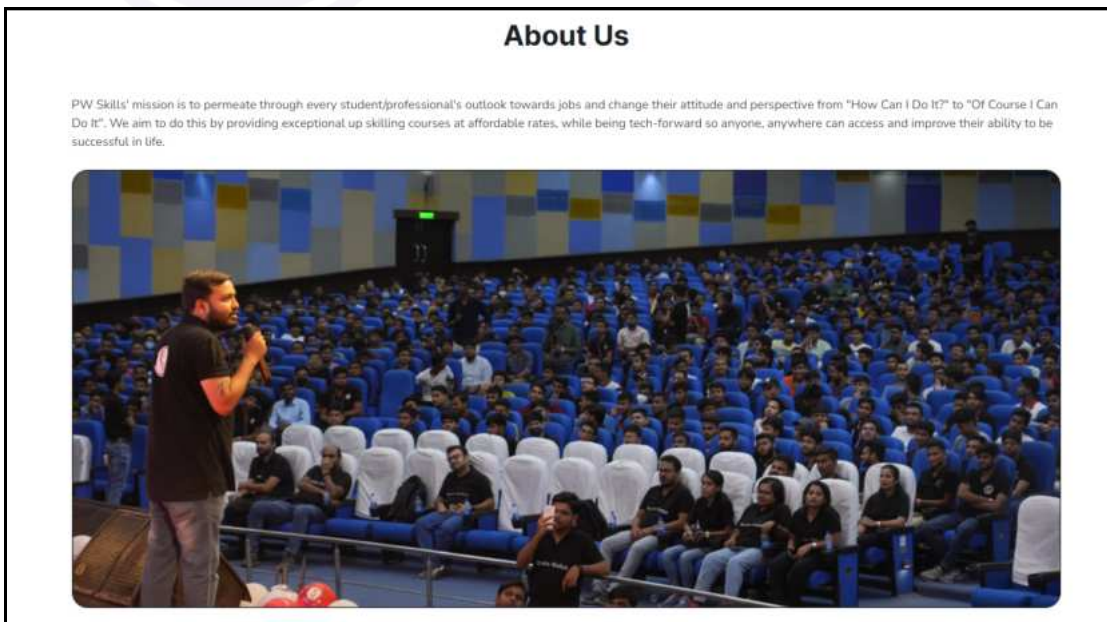
```
    fonts based on popularity, trends, and your geographic location. You can
    also create your own highly customized collections by filtering families,
    weights, and scripts, plus test color themes, and review sample copy.
    Collections can be shared, making it easy to collaborate on projects and
    ensure typography is optimized and streamlined throughout the design and
    engineering process. In 2021, we added icons to our Google Fonts catalog,
    expanding expressive capability for our users. Our first set was the
    Material icons—delightful, beautifully crafted symbols for common
    communication needs. Download them on desktop to use them in your digital
    products for Android, iOS, and web.
  </p>
</body>
```

Browser output

6. Create a simple website as mentioned in the below image. You can get the assets by visiting https://pwskills.com/about-us.

Solution:

```html
<head>
   <meta charset="UTF-8" />
   <meta http-equiv="X-UA-Compatible" content="IE=edge" />
   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
   <title>About Us</title>
   <style>
      @import url("https://fonts.googleapis.com/css2?
family=Poppins:wght@200;400;500&display=swap");

      body {
         text-align: center;
      }

      h1 {
         font-family: "Poppins", sans-serif;
         font-weight: bold;
         font-size: 40px;
      }

      p {
         font-family: "Poppins", sans-serif;
         padding: 10px 15%;
      }
   </style>
</head>

<body>
   <h1>About us</h1>
   <p>PW Skills' mission is to permeate through every student/professional's outlook towards
jobs and change their attitude and perspective from "How Can I Do It?" to "Of Course I Can Do
It". We aim to do this by providing
      exceptional upskilling courses at affordable rates, while being tech-forward so anyone,
anywhere can access and
      improve their ability to be successful in life.
   </p>
   <img src="https://pwskills.com/images/aboutUs/aboutUs.png" alt="about us Image" />
</body>
```

7. Create a simple webpage with a card similar to question number 2. The card must be semi-transparent as default and on hovering the card must be displayed clearly. Use CSS opacity to achieve this output.

Without hover

After hover

Solution:

```html
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Card</title>

  <style>
    .courseImage {
      height: 200px;
      width: 300px;
      border-radius: 20px;
    }

    div {
      margin: 0 auto;
```

```
        background-color: #f8c42e;
        width: 300px;
        padding: 10px;
        border-radius: 20px;
        opacity: 0.5;
      }

      div:hover {
        opacity: 1;
      }
    </style>
</head>

<body>
    <div>
      <img class="courseImage" src="https://cdn.pwskills.com/assets/uploads/
thumbnails/64215310af09d6aa495682f5.jpg"
        alt=" PW SKills web development" />
      <p><b>Course Name:</b> PW SKills web development</p>
    </div>
</body>
```
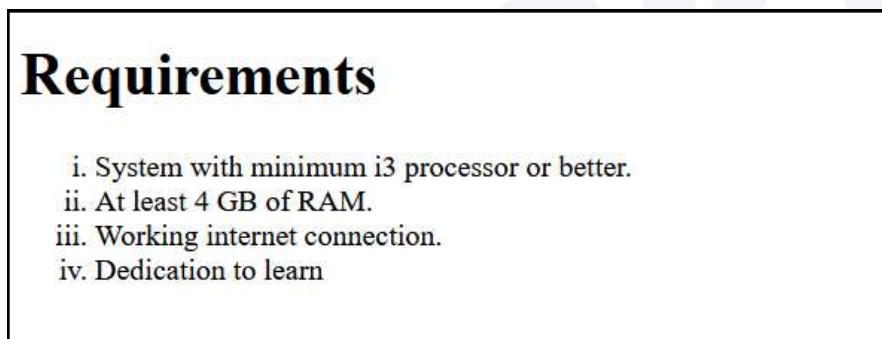
8. Create a simple list of items as mentioned in the below image.

Requirements

i. System with minimum i3 processor or better.
ii. At least 4 GB of RAM.
iii. Working internet connection.
iv. Dedication to learn

Solution:

```
 <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Styled List</title>
    <style>
      li {
        list-style-type: lower-roman;
      }
    </style>
  </head>
  <body>
    <h1>Requirements</h1>
    <ul>
      <li>System with minimum i3 processor or better.</li>
      <li>At least 4 GB of RAM.</li>
      <li>Working internet connection.</li>
      <li>Dedication to learn</li>
    </ul>
  </body>
```