

# Advanced CSS

## Assignment

**Q1. Explain the purpose of using the var() function in css. Also you have created two buttons with id named primaryBtn and secondaryBtn which should be given background colors using the var() function. The color code for primaryColor is #00b7ff and secondaryColor is #6c757d.**

**Ans:-** <!DOCTYPE html>

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

```
<head>
```

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

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

```
  <title>Button</title>
```

```
  <link rel="stylesheet" href="style.css">
```

```
</head>
```

```
<body>
```

```
  <div class="btn primary-btn">Primary Button</div>
```

```
  <div class="btn secondary-btn">Secondary Button</div>
```

```
</body>
```

```
</html>
```

**Style.css**

```
*{  
  margin: 0;
```

```
padding: 0;
box-sizing: border-box;
}
```

```
html, body{
width: 100%;
height: 100%;
font-family: 'gilroy', sans-serif;
}
```

```
:root{
--primary-color: #00b7ff;
--secondary-color: #6c757d;
}
```

```
.btn{
display: inline-block;
padding: 10px 20px;
border-radius: 5px;
font-size: 1em;
color: #ffffff;

}
```

```
.btn:hover{
```

```
    filter:brightness(1.1);  
    cursor: pointer;  
    transform: scale(1.02);  
    box-shadow: 5px 5px 5px #21212137;  
}
```

```
.primary-btn{  
    background-color: var(--primary-color);  
}
```

```
.secondary-btn{  
    background-color: var(--secondary-color);  
}
```

## **Q2. Create a 3D cube using the transform property of CSS.**

**Ans:-** <!DOCTYPE html>

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

```
<head>
```

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

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

```
<title>3D-Cube</title>
```

```
<link rel="stylesheet" href="./style.css">
```

```
</head>
```

```
<body>
```

```
<div class="scene">
```

```
<div class="cube">
  <div class="face front">Front</div>
  <div class="face back">Back</div>
  <div class="face left">Left</div>
  <div class="face right">Right</div>
  <div class="face top">Top</div>
  <div class="face bottom">Bottom</div>
</div>
</div>
</body>
</html>
```

### **Style.css**

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

html,
body {
  width: 100vw;
  height: 100vh;
  background-color: #f0f0f0;
  font-family: "Gilroy", sans-serif;
  display: flex;
```

```
justify-content: center;
align-items: center;
}
```

```
.scene {
  perspective: 1000px;
}
```

```
.cube {
  width: 200px;
  height: 200px;
  position: relative;
  transform-style: preserve-3d;
  transform: rotateX(20deg) rotateY(30deg);
}
```

```
.face {
  position: absolute;
  width: 200px;
  height: 200px;
  background-color: rgba(0, 123, 255, 0.7);
  border: 1px solid #666;
  display: flex;
  justify-content: center;
  align-items: center;
```

```
font-size: 1.5em;
font-weight: 500;
opacity: 0.8;
}
.front {
  transform: translateZ(100px);
}

.back {
  transform: rotateY(180deg) translateZ(100px);
}
.right {
  transform: rotateY(90deg) translateZ(100px);
}
.left {
  transform: rotateY(-90deg) translateZ(100px);
}
.top {
  transform: rotateX(90deg) translateZ(100px);
}
.bottom {
  transform: rotateX(-90deg) translateZ(100px);
}
```

**Q3. Create a simple circular loader which will rotate continuously to look like a loading screen on a website.**

Ans:- <!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Circular Loader</title>

<link rel="stylesheet" href="./style.css">

</head>

<body>

<div class="loader"></div>

</body>

</html>

**Style.css**

```
* {  
  margin: 0;  
  padding: 0;  
  box-sizing: border-box;  
}
```

html,

```
body {  
  width: 100%;
```

```
height: 100%;
font-family: "Gilroy", sans-serif;
display: flex;
justify-content: center;
align-items: center;
}

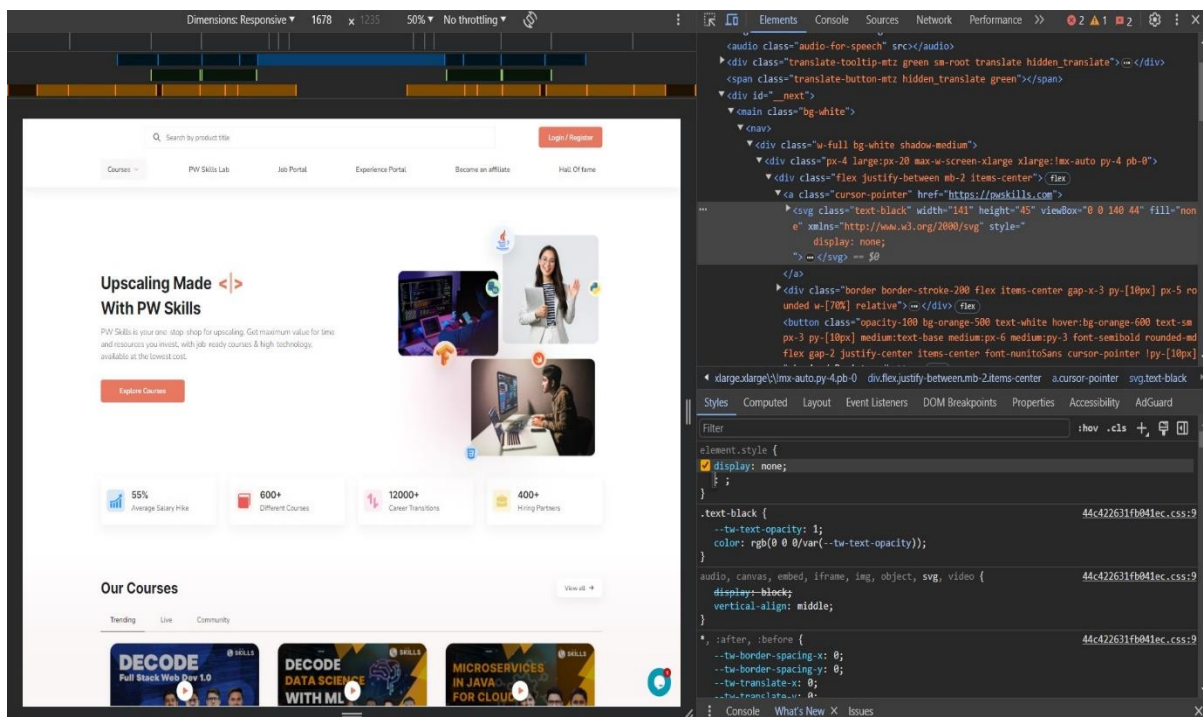
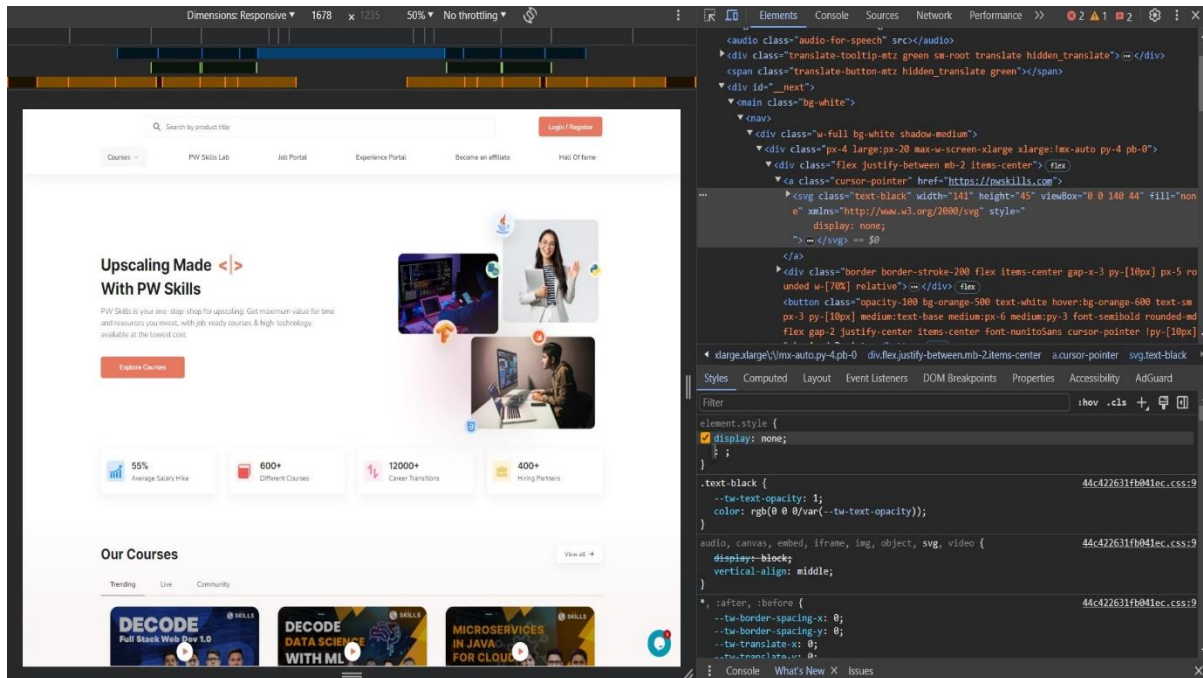
.loader {
border: 4px solid rgba(0, 0, 0, 0.1);
border-left-color: #007bff;
border-radius: 50%;
width: 40px;
height: 40px;
animation: spin 1s linear infinite;
}

@keyframes spin {
0% {
transform: rotate(0deg);
}
100% {
transform: rotate(360deg);
}
}
```



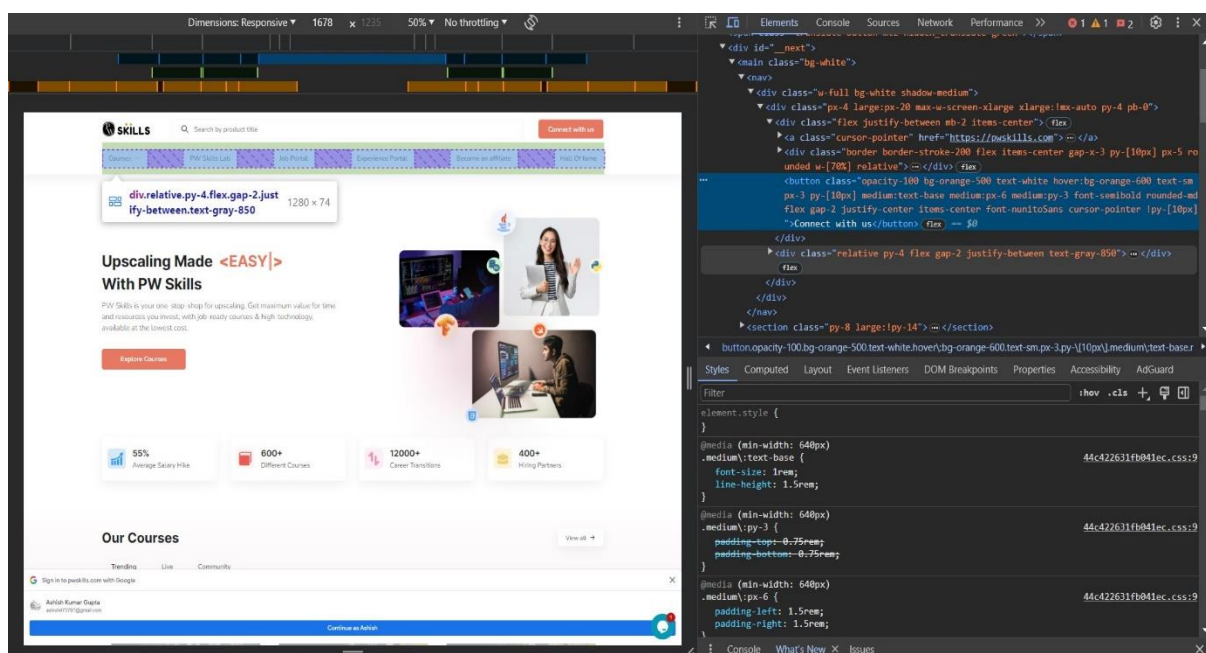
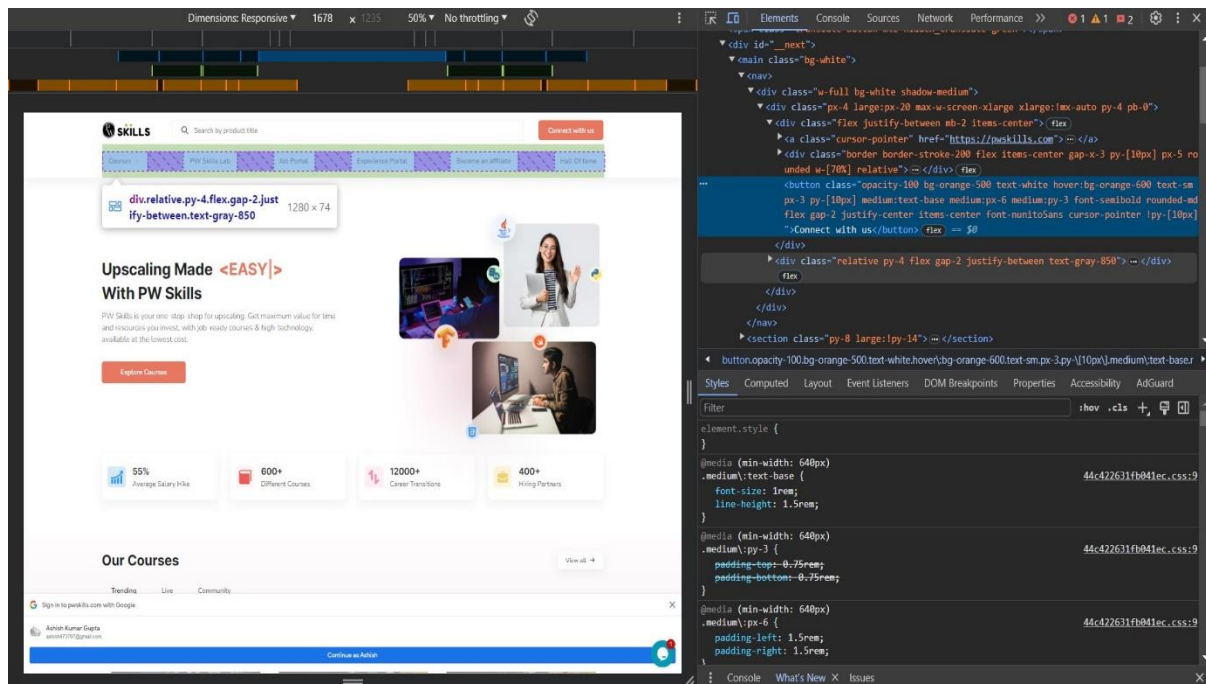
**Q4. You have to visit the PW Skills website (<https://pwskills.com/>) and have to hide the logo by using the developer tool. This should be done using the css and developer tool only, use of javascript is prohibited.**

**Ans:-**



Q5. You have to visit the PW Skills website (<https://pwskills.com/>) and have to change the content of the 'Login /Register' button to 'Connect with us' using the developer tool. This should be done using the elements of developer tools only, use of javascript is prohibited.

Ans:-



# Complete