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Course Code and Name: 2CS405 and WEB TECHNOLOGIES

Practical_10:

Methodologies:

Main HTML:

```
<!DOCTYPE html>
<html>
<head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <title></title>
        <link rel="stylesheet" type="text/css" href="PROJECTCSS.css">
</head>
<body>
  <div class="container">
    <div class="card">
      <div class="face face1UC">
       <div class="content">
        <img src="unit_converter.png">
        <h3>UNIT CONVERTER</h3>
       </div>
      </div>
      <div class="face face2">
       <div class="content">
        <!-- <p>...</p> -->
         <a href="#">CLICK</a>
       </div>
      </div>
    </div>
    <div class="card">
      <div class="face face1CC">
       <div class="content">
        <img src="exchange-rate.png">
        <h3>CURRENCY CONVERTER</h3>
       </div>
      </div>
      <div class="face face2">
```

```html
        <div class="content">
          <!-- <p>...</p> -->
            <a href="CurrencyConverter.html">CLICK</a>
        </div>
      </div>
    </div>
    <div class="card">
      <div class="face face1">
        <div class="content">
          <img src="hot.png">
          <h3>TEMPERATURE</h3>
        </div>
      </div>
      <div class="face face2">
        <div class="content">
          <!-- <p>...</p> -->
            <a href="Temperature.html">CLICK</a>
        </div>
      </div>
    </div>
  </div>
</body>
</html>
```

Main CSS:

```css
body{
  margin: 0;
  padding: 0;
  min-height: 100vh;
  background: #333;
  display: flex;
  justify-content: center;
  align-items: center;
  font-family: consolas;
}
.container{
  width: 1000px;
  position: relative;
  justify-content: space-between;
  display:  grid;
  grid-template-columns: repeat(auto-fill, minmax(275px, 1fr));
  grid-gap: 50px;
  align-items: center;
```

```css
  justify-items: center;
}
.container .card{
  position: relative;
  cursor: pointer;
}
.container .card .face{
  width: 300px;
  height: 200px;
  /*border-radius: 15px;*/
  border-width: 10px;
  transition: 0.5s;
}
.container .card .face.face1{
  position: relative;
  background: #333;
  display: flex;
  justify-content: center;
  align-items: center;
  z-index: 1;
  transform: translateY(100px);
}
.container .card:hover .face.face1{
  background: #ff0057;
  transform: translateY(0);
}
.container .card .face.face1 .content{
  opacity: 0.2;
  transition: 0.5s;
}
.container .card:hover .face.face1 .content{
  opacity: 1;
}
.container .card .face.face1 .content img{
  max-width: 100px;
}
.container .card .face.face1 .content h3{
  margin: 10px 0 0;
  padding: 0;
  color: #fff;
  text-align: center;
  font-size: 1.5em;
}
.container .card .face.face1UC{
```

```css
  position: relative;
  background: #333;
  display: flex;
  justify-content: center;
  align-items: center;
  z-index: 1;
  transform: translateY(100px);
}
.container .card:hover .face.face1UC{
  background: #0057FF;
  transform: translateY(0);
}
.container .card .face.face1UC .content{
  opacity: 0.2;
  transition: 0.5s;
}
.container .card:hover .face.face1UC .content{
  opacity: 1;
}
.container .card .face.face1UC .content img{
  max-width: 100px;
}
.container .card .face.face1UC .content h3{
  margin: 10px 0 0;
  padding: 0;
  color: #fff;
  text-align: center;
  font-size: 1.5em;
}
 .container .card .face.face1CC{
  position: relative;
  background: #333;
  display: flex;
  justify-content: center;
  align-items: center;
  z-index: 1;
  transform: translateY(100px);
}
.container .card:hover .face.face1CC{
  background: #57FF00;
  transform: translateY(0);
}
.container .card .face.face1CC .content{
  opacity: 0.2;
```
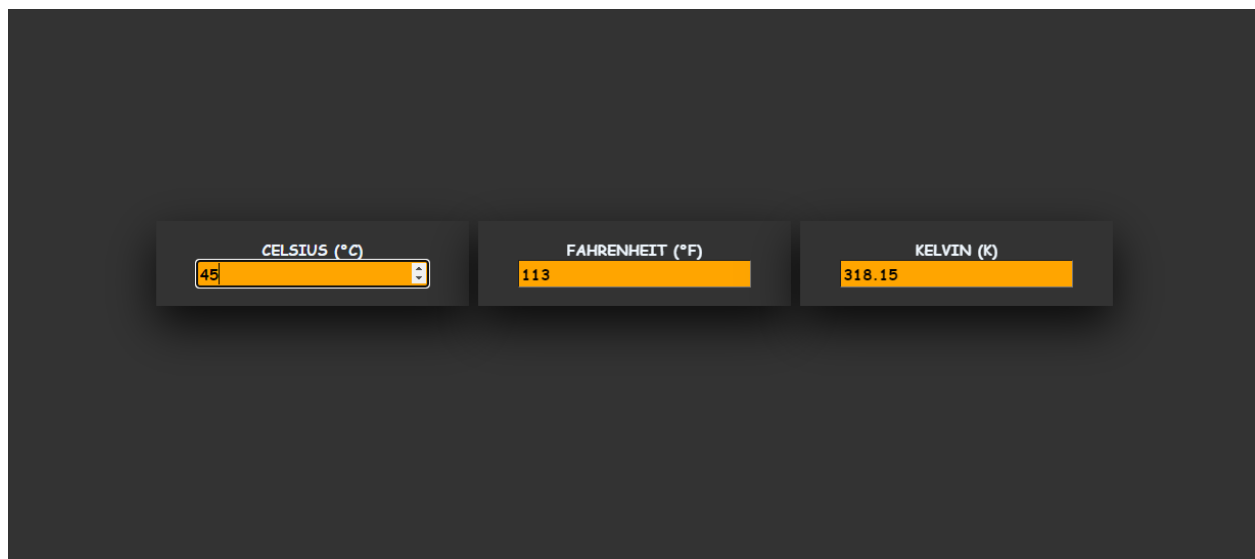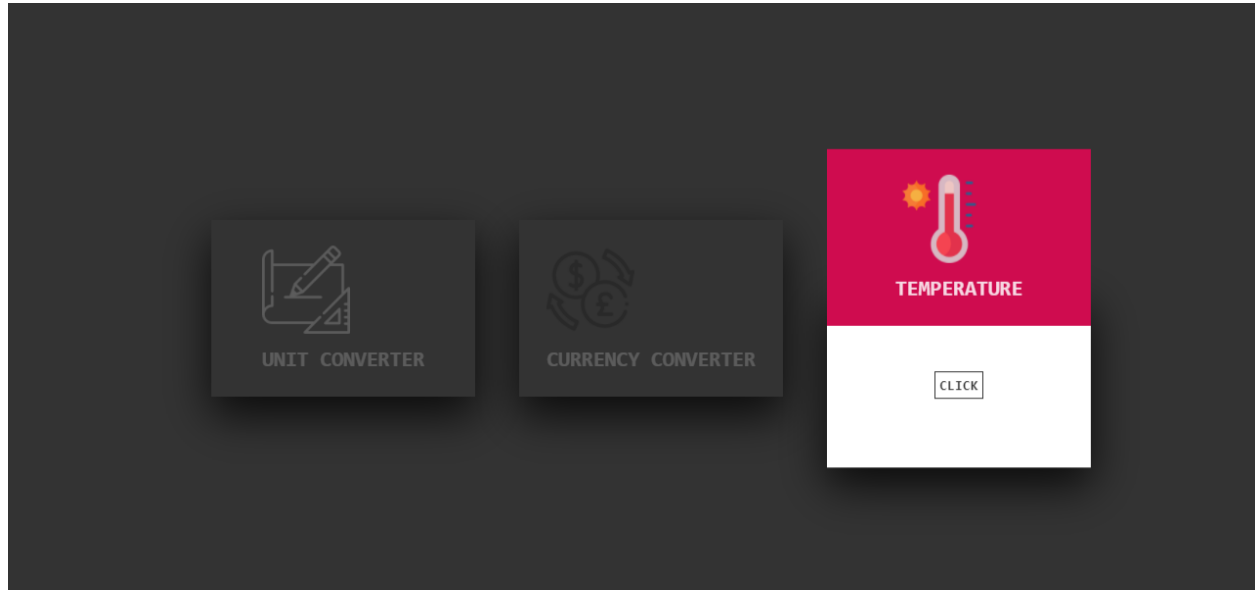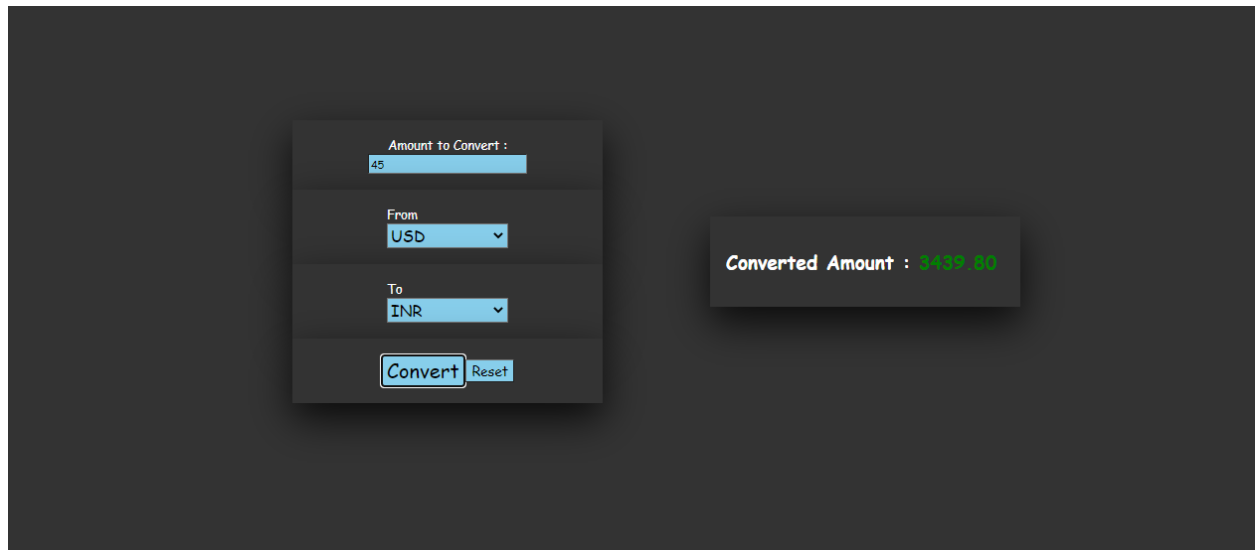
```css
  transition: 0.5s;
}
.container .card:hover .face.face1CC .content{
  opacity: 1;
}
.container .card .face.face1CC .content img{
  max-width: 100px;
}
.container .card .face.face1CC .content h3{
  margin: 10px 0 0;
  padding: 0;
  color: #fff;
  text-align: center;
  font-size: 1.5em;
}
.container .card .face.face2{
  position: relative;
  background: #fff;
  display: flex;
  justify-content: center;
  align-items: center;
  padding: 20px;
  box-sizing: border-box;
  box-shadow: 0 20px 50px rgba(0, 0, 0, 0.8);
  transform: translateY(-100px);
}
.container .card:hover .face.face2{
  transform: translateY(0);
}
.container .card .face.face2 .content p{
  margin: 0;
  padding: 0;
}
.container .card .face.face2 .content a{
  margin: 15px 0 0;
  display: inline-block;
  text-decoration: none;
  font-weight: 900;
  color: #333;
  padding: 5px;
  border: 1px solid #333;
}
.container .card .face.face2 .content a:hover{
  background: #333;
```

```
    color: #fff;
}
```

Sample Input/Output:

References:

Geeks for geeks
Instagram
WT Faculty

API:
https://api.exchangerate-api.com/v4/latest/USD