

LABORATORY EXPERIMENTS - SET II

AIM:

- i. Create a web page with all kinds of Cascading style sheets.
- ii. Design of Web page –Use of Cascading style sheets to style the way a webpage looks.

PROCEDURE:

- The heading begins with head tag where the title of the web page “WEB PAGE” is written .
- Next the link for external css is added.
- In the external css file ,different types of styles are added .
- Then the internal css is added in <style> tag .
- The style includes different types of styles in css like background-image,position,font,cursor, overflow,transform,content,text-transform,width,animation,hover,border etc..
- After the style tag body tag is started where the logo , navigation of the websites are included .
- This web shows of some programming languages with their logo and some information about that languages.
- In this body tag inline css is added .
- Finally the body tag and the html tag is closed .

CODING:

```
<!DOCTYPE html>
<html>
<head>
  <title>WEB PAGE</title>
  <link rel="stylesheet" type="text/css" href="stylesheet.css">
  <link href="https://fonts.googleapis.com/css?family=Montserrat" rel="stylesheet">
</head>
```

```
<style>

.wrapper{
  width: 90%;
  margin: 0 auto;
  max-width: 80rem;
  margin-top: 84px;
}

.cols{
  display: -webkit-box;
  display: flex;
  flex-wrap: wrap;
  -webkit-box-pack: center;
  justify-content: center;
}

.col{
  width: calc(25% - 2rem);
  margin: 1rem;
  cursor: pointer;
  margin-left: -5px;
  margin-bottom: -5px;
}

.container{
  transform-style: preserve-3d;
  perspective: 1000px;
}

.front,
.back{
  background-size: cover;
  background-position: center;
  transition: transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
  backface-visibility: hidden;
  text-align: center;
  min-height: 280px;
  height: auto;
  color: #fff;
  font-size: 1rem;
}

.back{
  background: #fff;
  background: linear-gradient(45deg, #fd0d44 0%, #1463e2 100%);
}
```

```
.front:after{
  position: absolute;
  top: 0;
  left: 0;
  z-index: 1;
  width: 100%;
  height: 100%;
  content: '';
  display: block;

  backface-visibility: hidden;
}
.container:hover .front,
.container:hover .back{

  transition: transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
}

.back{
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
}

.inner{

  transform: translateY(-50%) translateZ(60px) scale(0.94);
  top: 50%;
  position: absolute;
  left: 0;
  width: 100%;
  padding: 2rem;
  box-sizing: border-box;
  outline: 1px solid transparent;
  perspective: inherit;
  z-index: 2;
}

.container .back{
  transform: rotateY(180deg);
  transform-style: preserve-3d;
}

.container .front{
  transform: rotateY(0deg);
  transform-style: preserve-3d;
}
```

```
.container:hover .back{
  transform: rotateY(0deg);
  transform-style: preserve-3d;
}

.container:hover .front{
  transform: rotateY(-180deg);
  transform-style: preserve-3d;
}

.front .inner p{
  font-size: 1rem;
  margin-bottom: 2rem;
  position: relative;
}

.front .inner p:after{
  content: '';
  width: 4rem;
  height: 2px;
  position: absolute;
  background: #fff;
  display: block;
  left: 0;
  right: 0;
  margin: 0 auto;
  bottom: -.75rem;
}

.front .inner span{
  color: fff;
  font-family: 'Roboto Condensed', sans-serif;
  font-weight: 300;
}

@media screen and (max-width: 64rem){
  .col{
    width: calc(33.333333% - 2rem);
  }
}

@media screen and (max-width: 48rem){
  .col{
    width: calc(50% - 2rem);
  }
}

@media screen and (max-width: 32rem){
  .col{
```

```

    width: 100%;
    margin: 0 0 2rem 0;
  }
}
</style>
<body>

<header class="site-header clearfix">
  <nav>
    <div class="logo">
      <h1>Modern Website</h1>
    </div>
    <div class="menu">

      <ul>
        <div class="rightside">

          <button><li>Home</li></button>
          <button ><li>Services</li></button>
          <button > <li>AboutUs</li></button>

        </div>
      </ul>

    </div>
  </nav>
  <section>
    <div class="wrapper">
      <div class="cols">
        <div class="col">
          <div class="container">
            <div class="front" style="background-image: url(python2.jpg)">

            </div>
            <div class="back">
              <div class="inner">
                <p>Python is an interpreted, high-level and general-
purpose programming language. Created by Guido van Rossum and first released in 1991. Its
language constructs and object-
oriented approach aim to help programmers write clear, logical code for small and large-
scale projects.</p>
              </div>
            </div>
          </div>
        </div>
        <div class="col">
          <div class="container">
            <div class="front" style="background-
image: url(download7.png)">

```

```

        </div>
        <div class="back">
            <div class="inner">
                <p>C++ is a powerful general-
purpose programming language. It can be used to develop operating systems, browsers, game
s, and so on. C++ supports different ways of programming like procedural, object-
oriented, functional, and so on. This makes C++ powerful as well as flexible.</p>
            </div>
        </div>
    </div>
    <div class="col">
        <div class="container">
            <div class="front" style="background-
image: url(download6.jpg)">

            </div>
            <div class="back">
                <div class="inner">
                    <p>C# (pronounced see sharp) is a general-
purpose, multi-
paradigm programming language encompassing strong typing, lexically scoped, imperative, d
eclarative, functional, generic, object-oriented , and component-
oriented programming disciplines. </p>
                </div>
            </div>
        </div>
    </div>
    <div class="col">
        <div class="container">
            <div class="front" style="background-
image: url(download10.png)">

            </div>
            <div class="back">
                <div class="inner">
                    <p>Go is a statically typed, compiled programming langu
age designed at Google[14] by Robert Griesemer, Rob Pike, and Ken Thompson. Go is syntact
ically similar to C .The language is often referred to as Golang because of its domain na
me, golang.org, but the proper name is Go.</p>
                </div>
            </div>
        </div>
    </div>
    <div class="col">
        <div class="container">
            <div class="front" style="background-
image: url(download5.jpg)">

            </div>

```

```

        <div class="back">
            <div class="inner">
                <p>Swift is a general-purpose, multi-paradigm, object-
oriented, functional, imperative and block structured language. It is the result of the l
atest research on programming languages and is built using a modern approach to safety, s
oftware design patterns by Apple Inc..</p>
            </div>
        </div>
    </div>
</div>
<div class="col">
    <div class="container">
        <div class="front" style="background-
image: url(download9.jpg)">

        </div>
    <div class="back">
        <div class="inner">
            <p>Kotlin is a statically typed, general-
purpose programming language developed by JetBrains, that has built world-
class IDEs like IntelliJ IDEA, PhpStorm, Appcode, etc. It was first introduced by JetBrai
ns in 2011 and a new language for the JVM. Kotlin is object-oriented language.</p>
        </div>
    </div>
</div>
</div>
<div class="col">
    <div class="container">
        <div class="front" style="background-
image: url(download8.png)">

        </div>
    <div class="back">
        <div class="inner">
            <p>Scala is a general-purpose, high-level, multi-
paradigm programming language. It is a pure object-
oriented programming language which also provides support to the functional programming a
pproach. Scala stands for Scalable language. It also provides Javascript runtimes</p>
        </div>
    </div>
</div>
</div>
<div class="col">
    <div class="container">
        <div class="front" style="background-
image: url(download11.jpg)">

        </div>
    <div class="back">
        <div class="inner">

```

```

        <p>MATLAB is a proprietary multi-
paradigm programming language and numerical computing environment developed by MathWorks.
MATLAB allows matrix manipulations, plotting of functions and data, implementation of al
gorithms.</p>
        </div>
    </div>
</div>
</div>
</div>
</div>
</div>
<div class="rightside">
    <h1> Programming Language </h1>
    <p> A programming language is a formal language comprising a set of instructions that
produce various kinds of output. Programming languages are used in computer programming t
o implement algorithms. </p>
    <button>Let's Explore</button>
</div>

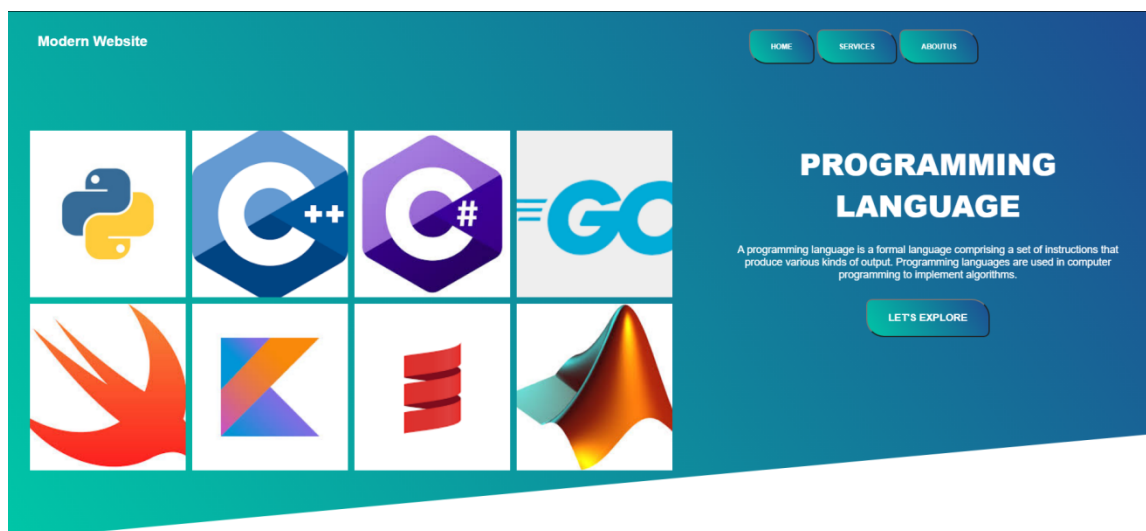
</section>

</header>

</body>
</html>

```

OUTPUT:



OUTPUT LINK: <file:///C:/Users/admin/Downloads/webpage.html>

RESULT:

Therefore we have Created a web page with all kinds of Cascading style sheets and Designed a Web page –Use of Cascading style sheets to style the way a webpage looks.