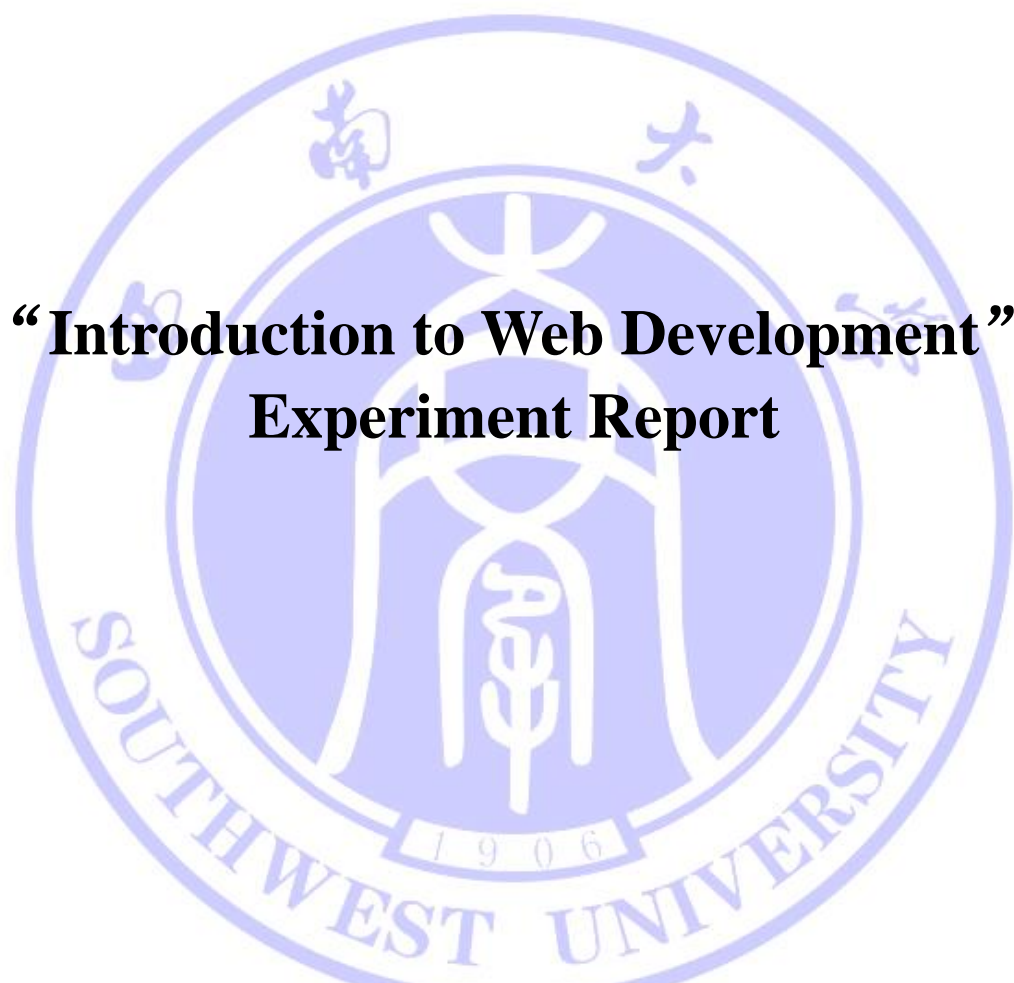


# Southwest University



## **“Introduction to Web Development” Experiment Report**

**School: School of Computer & information Science**

**Major: Software engineering**

**Class: 4**

**Name: 方承煜**

**Student Number: 222020321062095**

## Experiment Report 1

### No.1:Objective:

**Main:** Learn and master the < div > box and CSS related functions

1. Using < div > and CSS to build the film website made before
2. Making a 960 pixel wide 12 column grid website with CSS

### No.2:Detailed requirements:

1. On the basis of the information of the original video website, by creating multiple < div > boxes, and using CSS forms to control the length, width and color background of these < div > boxes, it can ensure the practicability and be more beautiful at the same time.

Ex1: A film information website

2. Create a blank page, link 960\_12\_col.css Through the self-defined CSS table and 960.gs 12 column CSS form, make a multi row and multi column website framework, and mark its width information in each grid.

Ex2: A 960px 12col website framework

### Matters needing attention:

1. Try to use the content learned in the class as much as possible, and use more diversified code and elements to make the web page more practical and beautiful.
2. As far as possible to ensure that the code syntax is correct and has a higher readability.

### No. 3: Procedure:

## Ex1[Website Code]

Html[Page1: index]:

[illegible]

```

        </div>
    </div>
</div>
    <div class="a6">
        <p>©2020 Fang Chengyu(Eric) version:2.0</p>
    </div>
</body>
</html>

```

## Html[Page2: jiang]:

```

<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>今日影讯-姜子牙</title>
<link href="style.css" rel="stylesheet" type="text/css">
<style type="text/css">
</style>
</head>
<body>
    <div class="a4">
        
    </div>
    <div class="a5">
        <h1 align="center">《姜子牙》</h1>
        <p><font size="+2">《姜子牙》是由霍尔果斯彩条屋影业有限公司、中传合道文化发展有限公司出品的动画电影，由程腾、李炜执导，郑希、杨凝、图特哈蒙、阎么么等担任主要配音演员。</font></p>
        <p><font size="+2">该片讲述了封神大战之后，姜子牙因一时之过被贬下凡间，失去神力，被世人唾弃。为重回昆仑，姜子牙踏上旅途寻回自我的故事。</font></p>
        <p><font size="+2">该电影定档于 2020 年 10 月 1 日中国内地、北美同步上映。</font></p>
        <table width="300" border="1" align="center">
            <tbody>
                <tr>
                    <th scope="col">&nbsp;<font color="#E7E7E7">放映日期</font></th>
                    <th scope="col">&nbsp;<font color="#E7E7E7">放映时间</font></th>
                    <th scope="col">&nbsp;<font color="#E7E7E7">放映地点</font></th>
                </tr>
                <tr>
                    <td>&nbsp;<font color="#E7E7E7">2020.10.14</font></td>
                    <td>&nbsp;<font color="#E7E7E7">19: 15</font></td>
                    <td>&nbsp;<font color="#E7E7E7">橘园一舍 711</font></td>
                </tr>
                <tr>
                    <td>&nbsp;<font color="#E7E7E7">2020.10.15</font></td>

```





```

<th scope="col">&nbsp;<font color="#E7E7E7">放映时间</font></th>
<th scope="col">&nbsp;<font color="#E7E7E7">放映地点</font></th>
</tr>
<tr>
<td>&nbsp;<font color="#E7E7E7">2020.10.14</font></td>
<td>&nbsp;<font color="#E7E7E7">19: 15</font></td>
<td>&nbsp;<font color="#E7E7E7">橘园一舍 711</font></td>
</tr>
<tr>
<td>&nbsp;<font color="#E7E7E7">2020.10.15</font></td>
<td>&nbsp;<font color="#E7E7E7">19: 30</font></td>
<td>&nbsp;<font color="#E7E7E7">橘园一舍 711</font></td>
</tr>
</tbody>
</table>
<br />
<h5 align="right"><a href="index.html">&nbsp;&nbsp;返回上个页面</a><a
href="https://maoyan.com/films/1328712" target="_blank">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;更多信息
&nbsp;&nbsp;&nbsp;&nbsp;</a></h5>
</div>
<div class="a6">
<p>©2020 Fang Chengyu(Eric) version:2.0</p>
</div>
</body>
</html>

```

Html [Page4: xin]:

```

<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>今日影讯-信条</title>
<link href="style.css" rel="stylesheet" type="text/css">
<style type="text/css">
</style>
</head>
<body>
<div class="a4">

</div>
<div class="a5">
<h1 align="center">《信条》</h1>
<p><font size="+2">《信条》是由美国华纳兄弟影片公司出品的动作惊悚片，由克里斯托弗·诺
兰执导，约翰·大卫·华盛顿、罗伯特·帕丁森、伊丽莎·德比齐、迈克尔·凯恩、肯尼思·布拉纳联袂主演。

```

```

</font></p>
    <p><font size="+2">该片讲述了一名特工，在经过组织严密训练之后，被派去执行一项重要的任务，最终在搭档的帮助下，顺利完成了任务并拯救了世界。</font></p>
    <p><font size="+2">该片于 2020 年 9 月 4 日在中国内地上映。</font></p>
    <table width="300" border="1" align="center">
<tbody>
    <tr>
        <th scope="col">&nbsp;<font color="#E7E7E7">放映日期</font></th>
        <th scope="col">&nbsp;<font color="#E7E7E7">放映时间</font></th>
        <th scope="col">&nbsp;<font color="#E7E7E7">放映地点</font></th>
    </tr>
    <tr>
        <td>&nbsp;<font color="#E7E7E7">2020.10.14</font></td>
        <td>&nbsp;<font color="#E7E7E7">19: 15</font></td>
        <td>&nbsp;<font color="#E7E7E7">橘园一舍 711</font></td>
    </tr>
    <tr>
        <td>&nbsp;<font color="#E7E7E7">2020.10.15</font></td>
        <td>&nbsp;<font color="#E7E7E7">19: 30</font></td>
        <td>&nbsp;<font color="#E7E7E7">橘园一舍 711</font></td>
    </tr>
</tbody>
</table>

    <br />
    <h5 align="right"><a href="index.html">&nbsp;<font color="#E7E7E7">返回上个页面</font></a><a href="https://maoyan.com/films/1297973" target="_blank">&nbsp;<font color="#E7E7E7">更多信息</font></a></h5>
</div>
    <div class="a6">
        <p>©2020 Fang Chengyu(Eric) version:2.0</p>
    </div>
</body>
</html>

CSS:

@charset "utf-8";

.a1{
    height:600px;
    width:500px;
    background:;
    margin-left: 100px;
    margin-top: 50px;

```

```

margin-right: 100px;

color: #333;
filter: progid:DXImageTransform.Microsoft.Shadow(color=#909090,direction=120,strength=4);
-moz-box-shadow: 2px 2px 10px #909090;
-webkit-box-shadow: 2px 2px 10px #909090;
box-shadow: 2px 2px 10px #909090;

position: relative;
}

.a2{
height: auto;
width: 450px;
background:;
margin-left: 25px;
margin-top: 30px;
margin-right: 25px;
float: left;
display: flex;
align-items: left;
}

.a2 img{
width: 116px;
height: 161px;
}

.a3{
height: auto;
width: 325px;
background: rgba(53,97,122,0.44);
margin-left: 9px;
margin-top: 0px;
margin-right: 0px;
float: left;
display: flex;
align-items: left;
line-height: 1;
text-decoration: none;
}

```





```
a{
text-decoration:none;
color:#FFFFFF;
}
.a3 p{
    line-height:1.3em;
    padding-left: 10px;
    padding-right: 10px;
}
.a4{
    height:644px;
    width:464px;
    background: #6EA0A4;
    margin-left: 100px;
    margin-top: 50px;
    margin-right: 20px;
    /*float:left;*/
    display: inline-block;
    color:rgba(255,255,255,1.00);
    filter:progid:DXImageTransform.Microsoft.Shadow(color=#909090,direction=120,strength=4);
    -moz-box-shadow: 2px 2px 10px #909090;
    -webkit-box-shadow: 2px 2px 10px #909090;
    box-shadow:2px 2px 10px #909090;
}
.a5{
    height:625px;
    width:464px;
    background:rgba(53,97,122,0.44);
    margin-left: 40px;
    margin-top: 50px;
    margin-right: 100px;
    /*float:left;*/
    display: inline-block;
    color:#333;
    filter:progid:DXImageTransform.Microsoft.Shadow(color=#909090,direction=120,strength=4);
    -moz-box-shadow: 2px 2px 10px #909090;
    -webkit-box-shadow: 2px 2px 10px #909090;
    box-shadow:2px 2px 10px #909090;
    padding: 10px;
    position: absolute;
}
.a5 p{
    text-indent: 2em;
    color:rgba(255,255,255,1.00);
}
```

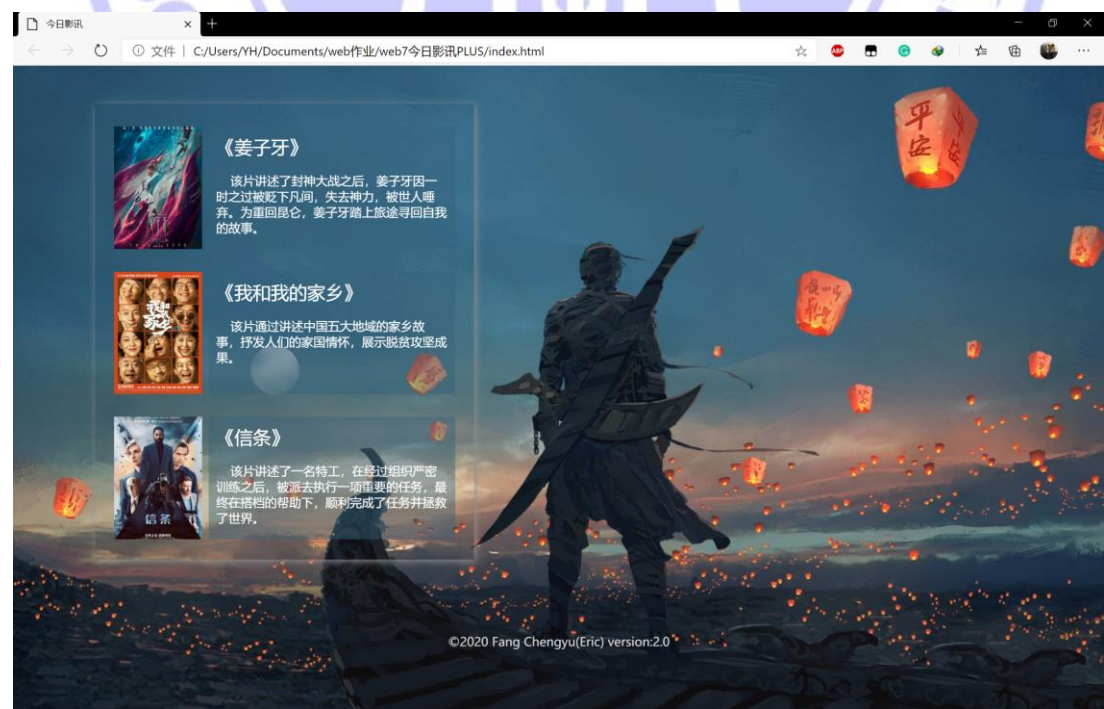
```

}
.a5 h1{
    color:rgba(255,255,255,1.00);
}
.a6{
    margin-top: 100px;
    height:auto;
    width:100%;
    background:;
    line-height:1;
    text-align: center;
}
.a6 p{
    color:#DADADA;
    text-align: center;
    display: block;
}
body{
    background-image:url(pic/bg.jpg);
    background-repeat:no-repeat;
    background-attachment:fixed;
}

```

Ex1[Website Result show on 2160\*1440screen]:


Page1: [index](#)



## Page2: jiang

今日影讯-姜子牙

文件 | C:/Users/YH/Documents/web作业/web7今日影讯PLUS/jiang.html



这一次 为苍生为伙伴也为自己而战

### 《姜子牙》

《姜子牙》是由霍尔果斯彩条屋影业有限公司、中传合道文化发展有限公司出品的动画电影，由程腾、李炜执导，郑希、杨凝、图特哈蒙、阎么么等担任主要配音演员。

该片讲述了封神大战之后，姜子牙因一时之过被贬下凡间，失去神力，被世人唾弃。为重回昆仑，姜子牙踏上旅途寻回自我的故事。

该电影定档于2020年10月1日中国内地、北美同步上映。

放映日期	放映时间	放映地点
2020.10.14	19: 15	桃园一舍711
2020.10.15	19: 30	桃园一舍711


[返回上个页面](#) [更多信息](#)

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## Page3: wo

今日影讯-我和我的家乡

文件 | C:/Users/YH/Documents/web作业/web7今日影讯PLUS/wo.html



我和我的家乡

### 《我和我的家乡》

《我和我的家乡》是由张艺谋担任总监制，宁浩担任总导演，张一白担任总策划，宁浩、徐峥、陈思诚、闫非和彭大魔、邓超和俞白眉分别执导五个故事的喜剧片。宁浩执导的《北京好人》单元，由葛优、刘敏涛主演；陈思诚执导的《天上掉下个UFO》单元，由黄渤、王宝强、刘昊然主演；徐峥执导的《最后一课》单元，由范伟、张译、韩昊霖主演；邓超、俞白眉执导的《回乡之路》单元，由邓超、闫妮主演；闫非、彭大魔执导的《神笔马亮》单元，由沈腾、马丽主演。

该片通过五个故事单元，讲述了发生在中国东西南北中五大地域的家乡故事。

该片于2020年10月1日在中国大陆上映。

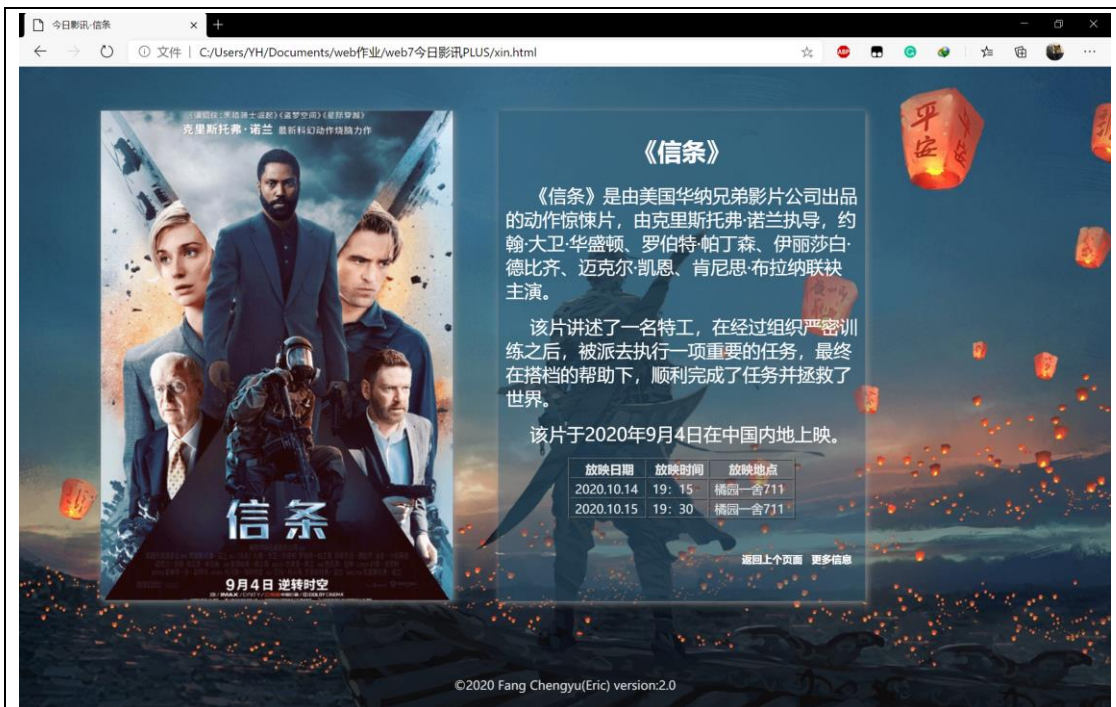
放映日期	放映时间	放映地点
2020.10.14	19: 15	桃园一舍711
2020.10.15	19: 30	桃园一舍711

[返回上个页面](#) [更多信息](#)

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## Page4: xin





Ex2[Website Code]

Html[Page: index]:

```
<!doctype html>
<!一个空位 20  一列 60>
<html>

<head>
    <meta charset="utf-8">
<title>12 列框架</title>
    <link href="style.css" rel="stylesheet" type="text/css">
    <link href="960_12_col.css" rel="stylesheet" type="text/css">
</head>

<body>
    <div class="container_12 main clearfix">
        <div class="grid_12 block"><p>940PX</p></div>
        <div class="grid_12 block colsp"></div>
        <div class="grid_6 block"><p>460PX</p></div> <div class="grid_6
block"><p>460PX</p></div>
        <div class="grid_4 block"><p>300PX</p></div> <div class="grid_3
block"><p>220PX</p></div> <div class="grid_5 block"><p>380PX</p></div>

        <div class="grid_1 blockx "><p>80PX</p></div><div class="clear"></div>
```

[illegible]

CSS[file1: style.css]

```
body{
    background-color:#99CCCC;
}

.main{
    margin-top: 40px;
```



```
background-color:rgba(0,0,0,0.00); /*#FFCC99*/
}

.block{
background-color:#FFCCCC;
height: 200px;
margin-top:10px;
margin-bottom: 10px;
border-radius: 12px;

-moz-box-shadow: 2px 2px 10px #909090;
-webkit-box-shadow: 2px 2px 10px #909090;
box-shadow:2px 2px 10px #909090;

}

*{
text-align: center;
}

p{
font-family: Gotham, "Helvetica Neue", Helvetica, Arial, "sans-serif";
font-size: 10px;
color: rgba(255,255,255,1.00);
line-height: 100%;
letter-spacing: 2px;
margin-top:90px;
}

.colsp{
height: 50px
}

.blockx{
height: 100px;
background-color:#FFCCCC;
margin-top:10px;
margin-bottom: 10px;
border-radius: 12px;

-moz-box-shadow: 2px 2px 10px #909090;
-webkit-box-shadow: 2px 2px 10px #909090;
box-shadow:2px 2px 10px #909090;

}
```



```
.blockx p{
    font-family: Gotham, "Helvetica Neue", Helvetica, Arial, "sans-serif";
    font-size: 10px;
    color: rgba(255,255,255,1.00);
    letter-spacing: 2px;
    margin-top:40px;
}
```

[CSS\[file2: 960\\_12\\_col.css\]](#)

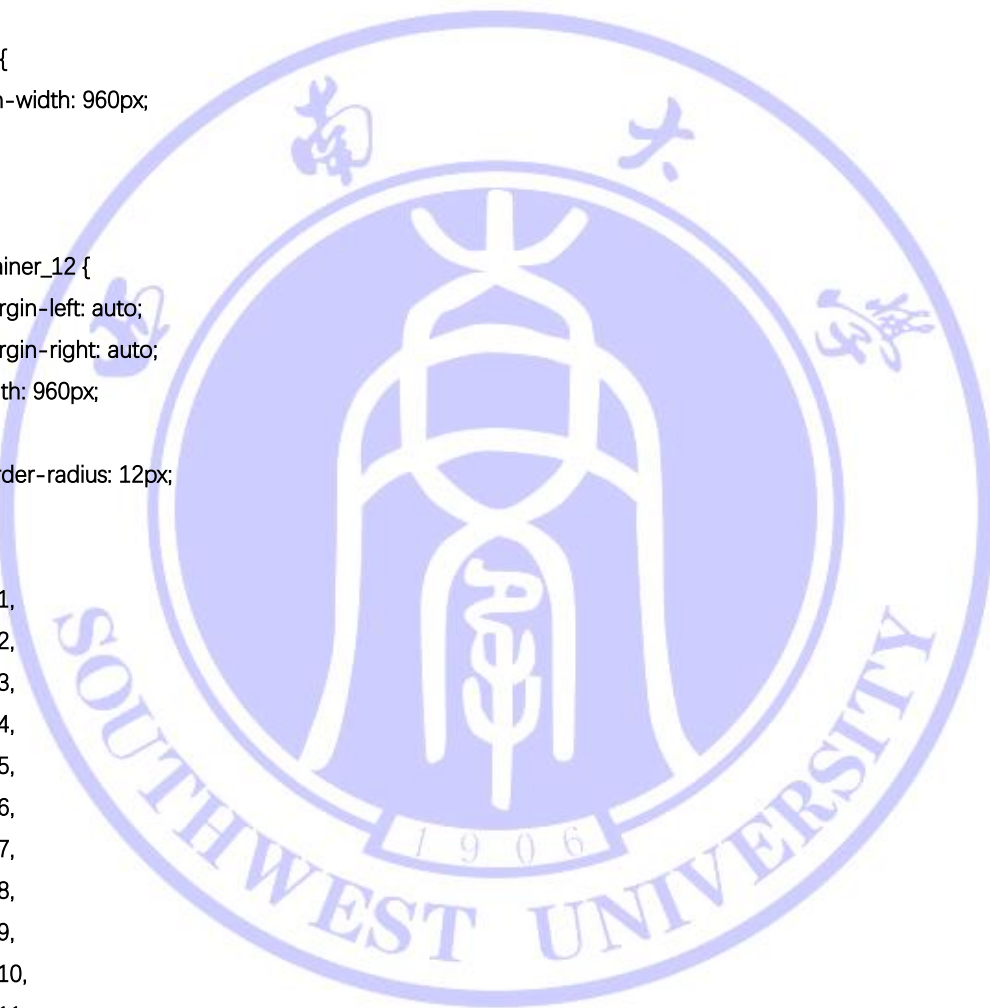
```
body{
    min-width: 960px;
}
```

```
.container_12 {
    margin-left: auto;
    margin-right: auto;
    width: 960px;

    border-radius: 12px;
}
```

```
.grid_1,
.grid_2,
.grid_3,
.grid_4,
.grid_5,
.grid_6,
.grid_7,
.grid_8,
.grid_9,
.grid_10,
.grid_11,
.grid_12 {
    display: inline;
    float: left;
    margin-left: 10px;
    margin-right: 10px;
}
```

```
.push_1, .pull_1,
.push_2, .pull_2,
```



```

.push_3, .pull_3,
.push_4, .pull_4,
.push_5, .pull_5,
.push_6, .pull_6,
.push_7, .pull_7,
.push_8, .pull_8,
.push_9, .pull_9,
.push_10, .pull_10,
.push_11, .pull_11 {
  position: relative;
}

```

```

.alpha {
  margin-left: 0;
}

```

```

.omega {
  margin-right: 0;
}

```

```

.container_12 .grid_1 {
  width: 60px;
}

```

```

.container_12 .grid_2 {
  width: 140px;
}

```

```

.container_12 .grid_3 {
  width: 220px;
}

```

```

.container_12 .grid_4 {
  width: 300px;
}

```

```

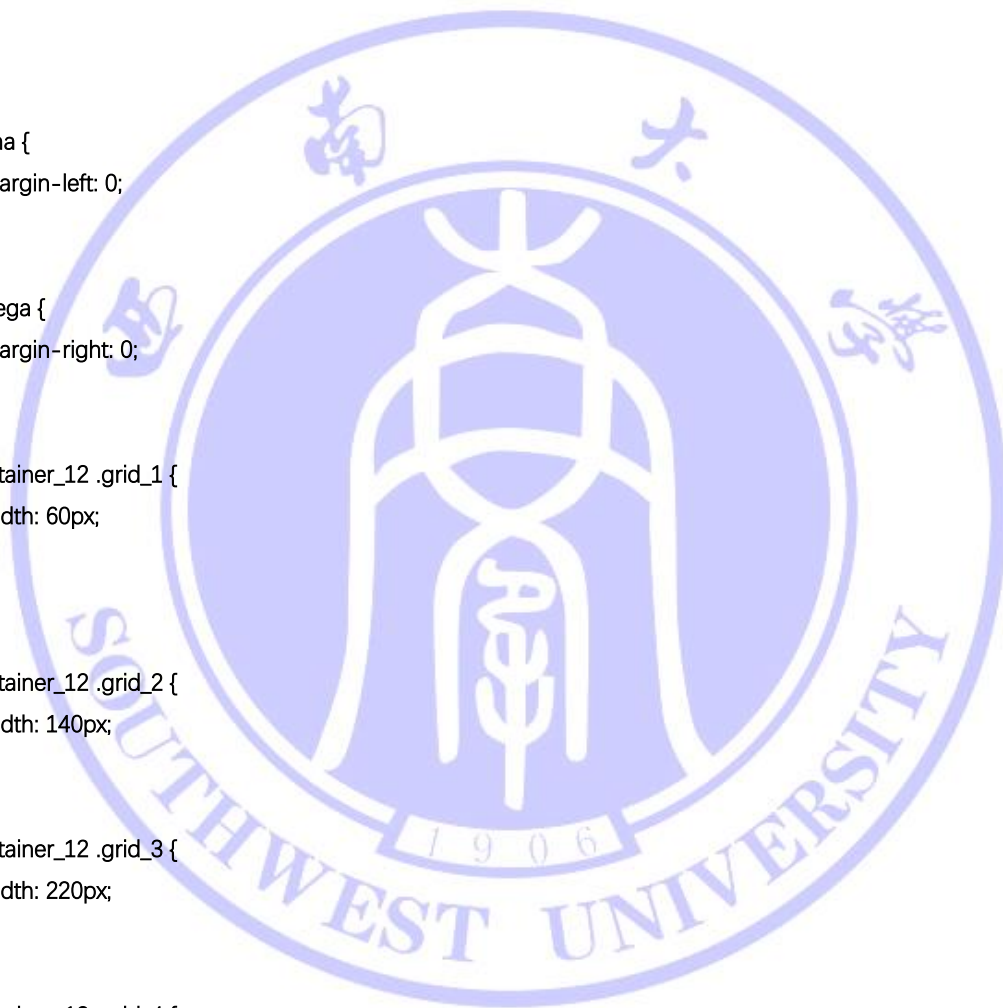
.container_12 .grid_5 {
  width: 380px;
}

```

```

.container_12 .grid_6 {
  width: 460px;
}

```



```
}

.container_12 .grid_7 {
    width: 540px;
}

.container_12 .grid_8 {
    width: 620px;
}

.container_12 .grid_9 {
    width: 700px;
}

.container_12 .grid_10 {
    width: 780px;
}

.container_12 .grid_11 {
    width: 860px;
}

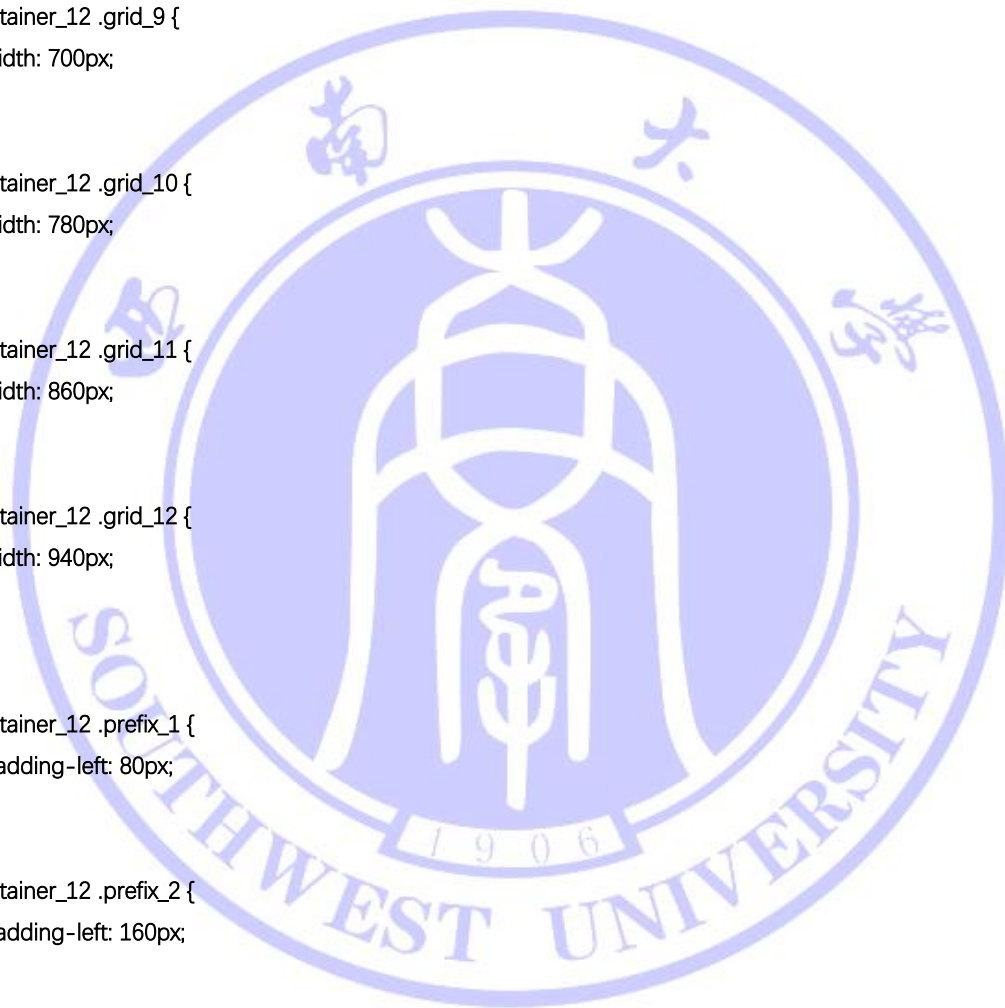
.container_12 .grid_12 {
    width: 940px;
}

.container_12 .prefix_1 {
    padding-left: 80px;
}

.container_12 .prefix_2 {
    padding-left: 160px;
}

.container_12 .prefix_3 {
    padding-left: 240px;
}

.container_12 .prefix_4 {
    padding-left: 320px;
}
```



```
.container_12 .prefix_5 {  
    padding-left: 400px;  
}
```

```
.container_12 .prefix_6 {  
    padding-left: 480px;  
}
```

```
.container_12 .prefix_7 {  
    padding-left: 560px;  
}
```

```
.container_12 .prefix_8 {  
    padding-left: 640px;  
}
```

```
.container_12 .prefix_9 {  
    padding-left: 720px;  
}
```

```
.container_12 .prefix_10 {  
    padding-left: 800px;  
}
```

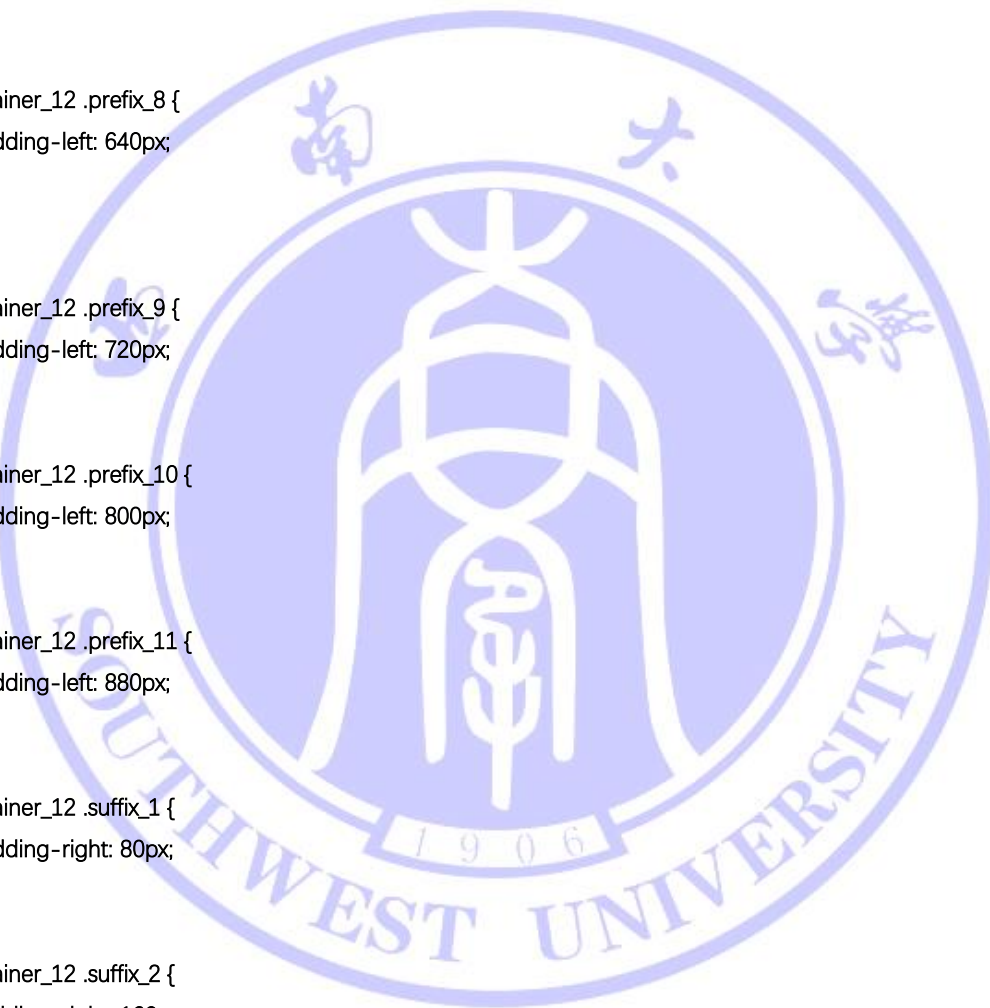
```
.container_12 .prefix_11 {  
    padding-left: 880px;  
}
```

```
.container_12 .suffix_1 {  
    padding-right: 80px;  
}
```

```
.container_12 .suffix_2 {  
    padding-right: 160px;  
}
```

```
.container_12 .suffix_3 {  
    padding-right: 240px;  
}
```

```
.container_12 .suffix_4 {  
    padding-right: 320px;
```





```
}

.container_12.suffix_5 {
    padding-right: 400px;
}

.container_12.suffix_6 {
    padding-right: 480px;
}

.container_12.suffix_7 {
    padding-right: 560px;
}

.container_12.suffix_8 {
    padding-right: 640px;
}

.container_12.suffix_9 {
    padding-right: 720px;
}

.container_12.suffix_10 {
    padding-right: 800px;
}

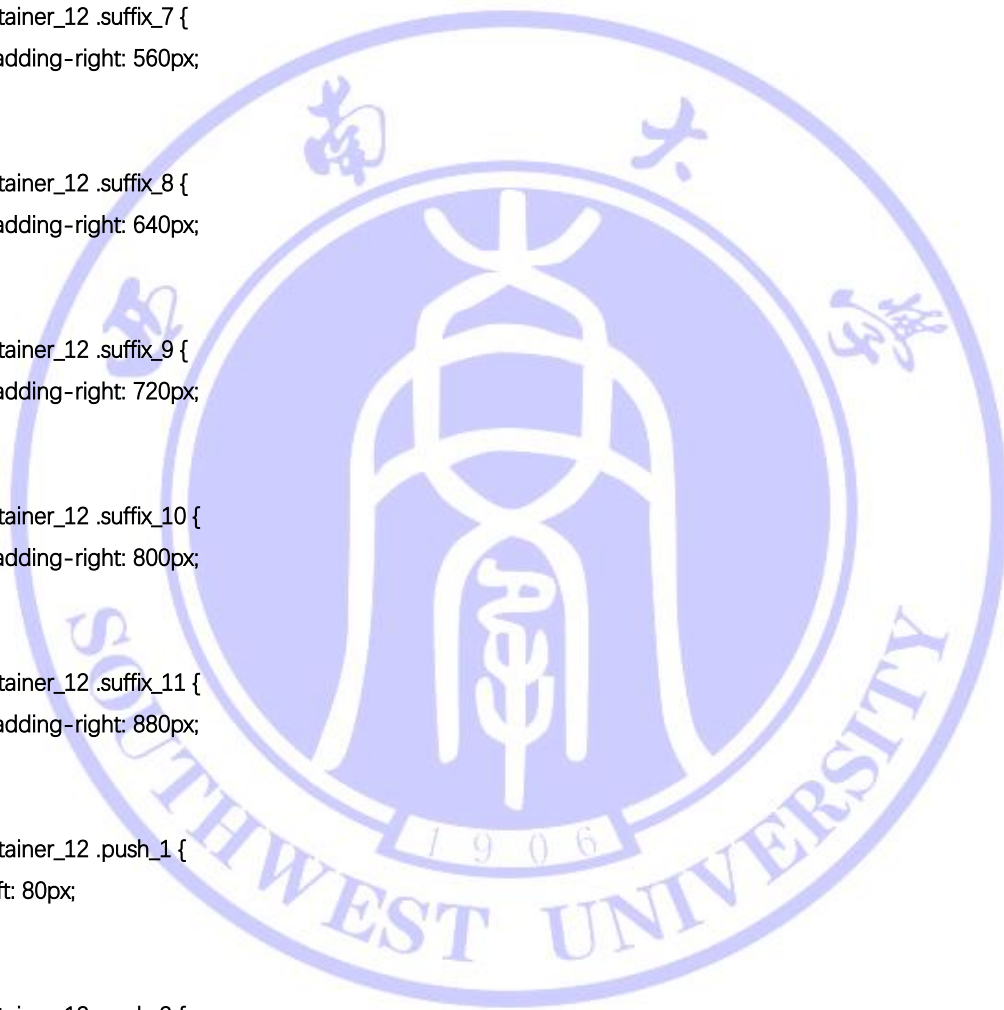
.container_12.suffix_11 {
    padding-right: 880px;
}

.container_12.push_1 {
    left: 80px;
}

.container_12.push_2 {
    left: 160px;
}

.container_12.push_3 {
    left: 240px;
}

.container_12.push_4 {
    left: 320px;
```



```
}

.container_12 .push_5 {
  left: 400px;
}

.container_12 .push_6 {
  left: 480px;
}

.container_12 .push_7 {
  left: 560px;
}

.container_12 .push_8 {
  left: 640px;
}

.container_12 .push_9 {
  left: 720px;
}

.container_12 .push_10 {
  left: 800px;
}

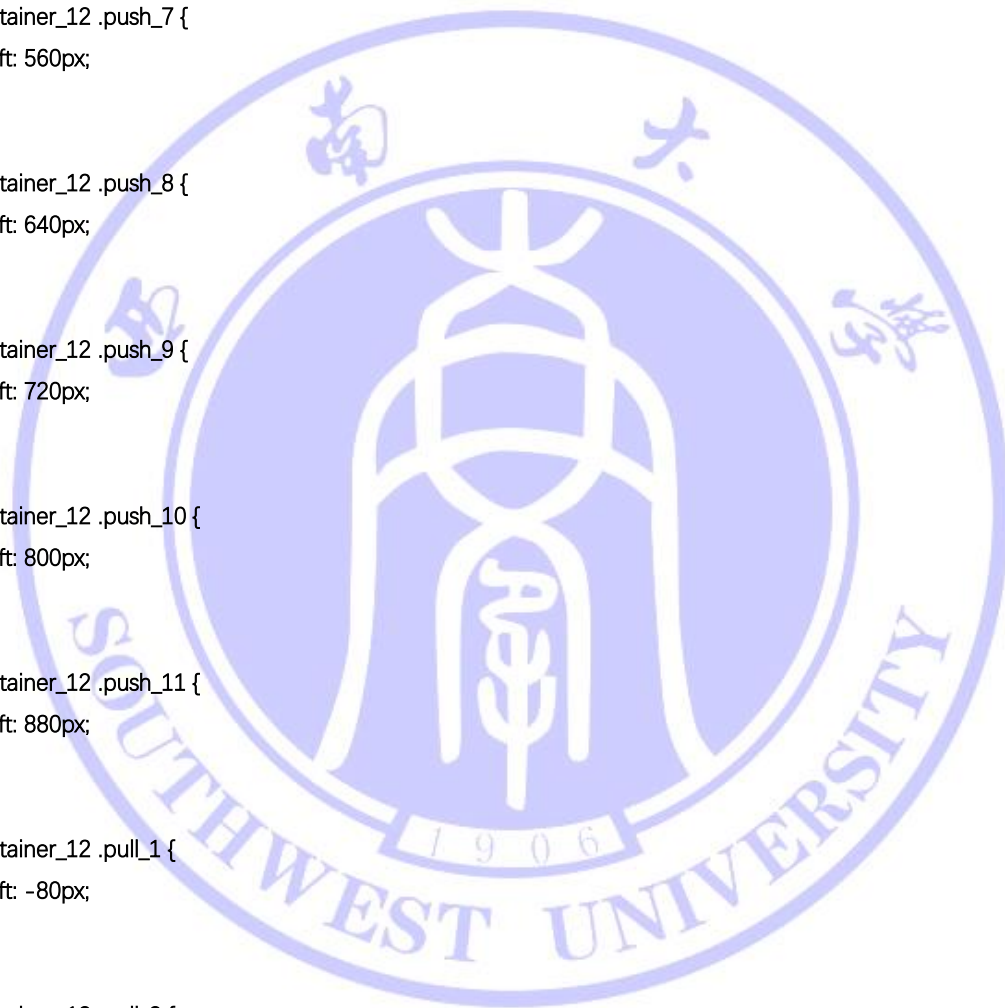
.container_12 .push_11 {
  left: 880px;
}

.container_12 .pull_1 {
  left: -80px;
}

.container_12 .pull_2 {
  left: -160px;
}

.container_12 .pull_3 {
  left: -240px;
}

.container_12 .pull_4 {
  left: -320px;
```



```

}

.container_12 .pull_5 {
    left: -400px;
}

.container_12 .pull_6 {
    left: -480px;
}

.container_12 .pull_7 {
    left: -560px;
}

.container_12 .pull_8 {
    left: -640px;
}

.container_12 .pull_9 {
    left: -720px;
}

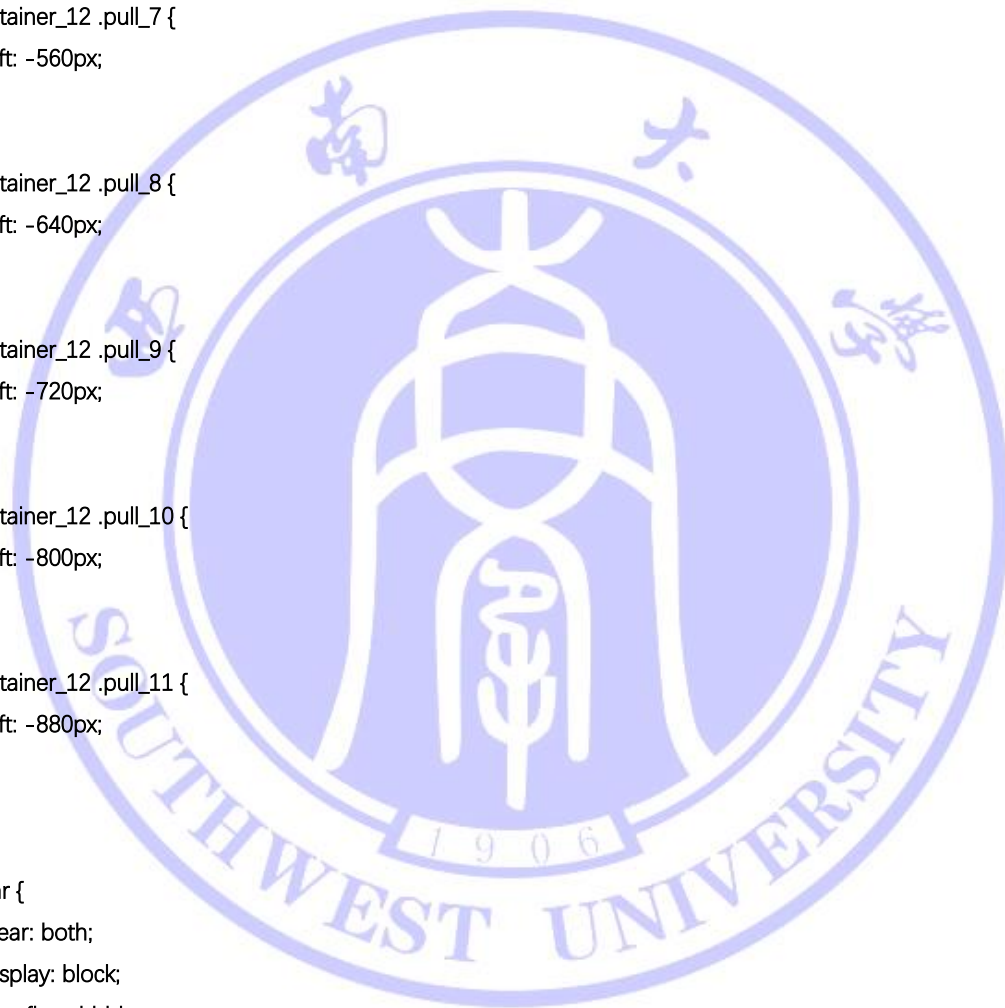
.container_12 .pull_10 {
    left: -800px;
}

.container_12 .pull_11 {
    left: -880px;
}

.clear {
    clear: both;
    display: block;
    overflow: hidden;
    visibility: hidden;
    width: 0;
    height: 0;
}

.clearfix:before,
.clearfix:after,
.container_12:before,
.container_12:after {

```



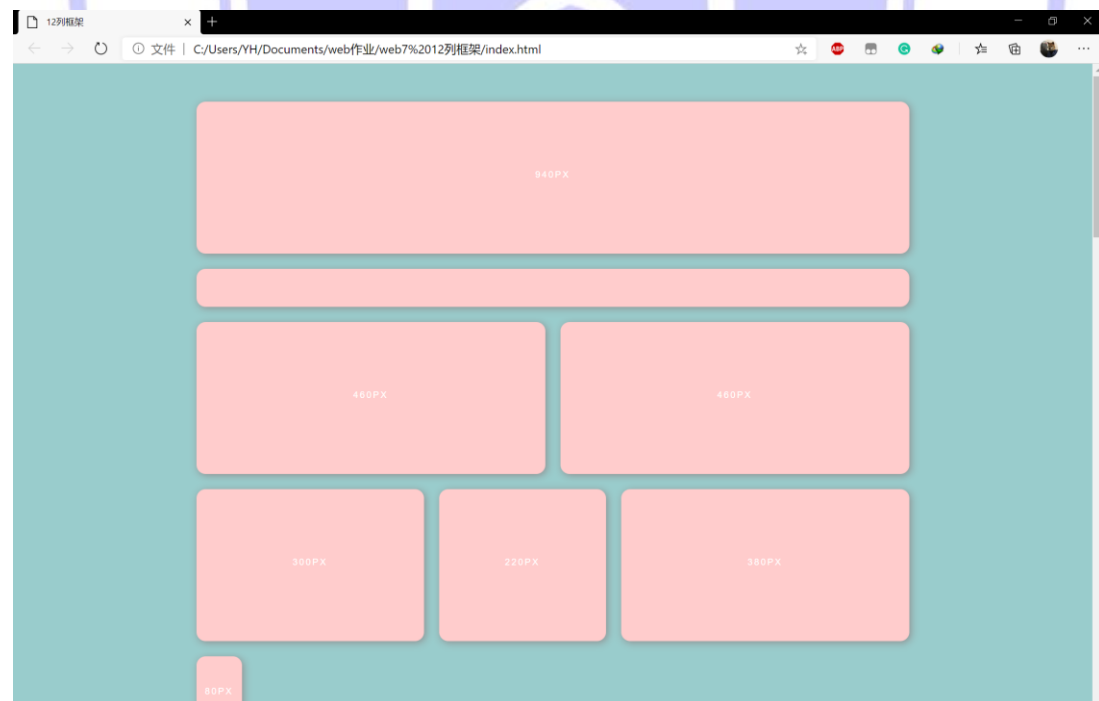
```
content: '.';
display: block;
overflow: hidden;
visibility: hidden;
font-size: 0;
line-height: 0;
width: 0;
height: 0;
}
```

```
.clearfix:after,
.container_12:after {
  clear: both;
}
```

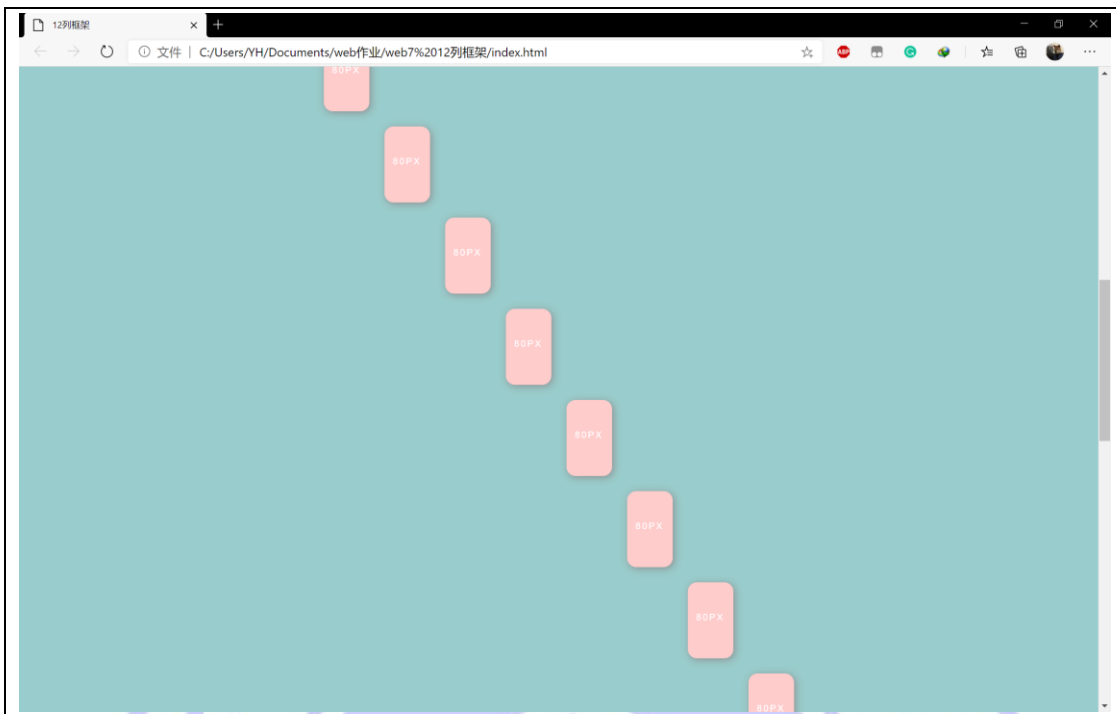
```
.clearfix,
.container_12 {
  zoom: 1;
}
```

Ex2[Website Result show on 2160\*1440screen]:

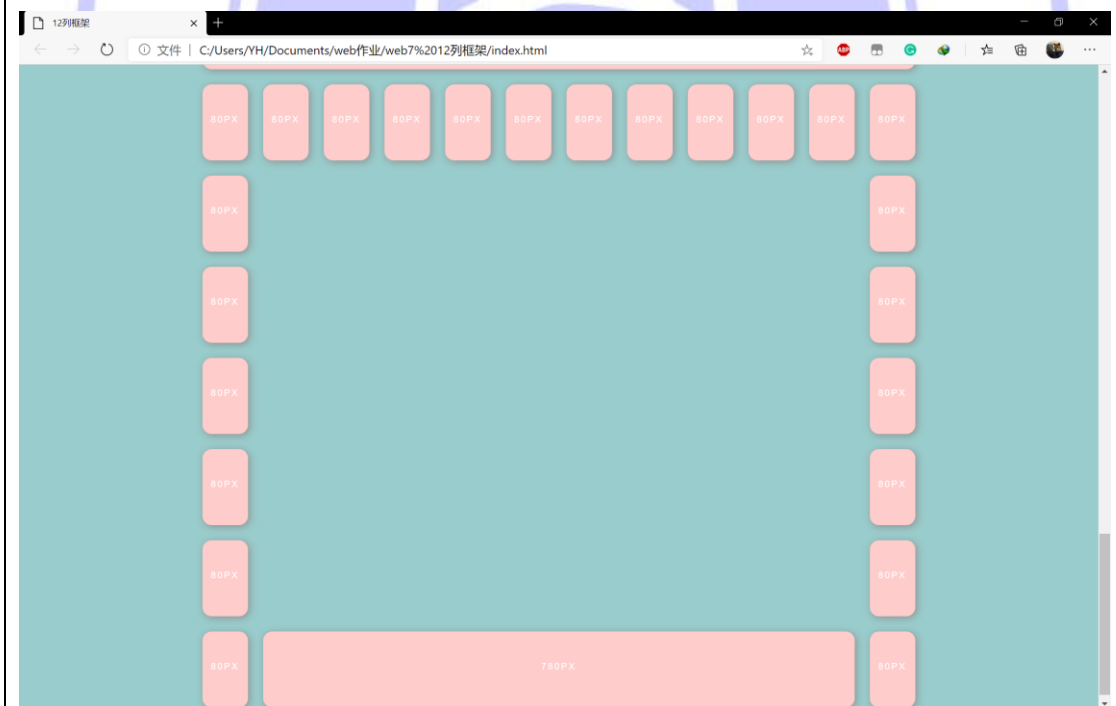
Part1:



Part2:



### Part3:



### No. 5: Analysis:

**For Ex1:** The first work of this experiment is to use the `<div>` box and CSS table to reconstruct the previous video



website. Since I have already used `< div >` and CSS in the previous website, I only optimize the code and content based on the previous one, which increases the syntax correctness of the code, and optimizes the website by using elements not used before Interface. Here are some summaries.

1. In order to better control the elements of web pages in a more customized way, I use the `< div >` box nesting method, and define different classes for different `< div >` in CSS, so as to manage and control the contents of each part more finely.

```
<div class="a1">  
  <div class="a2">  
    <div class="a3">  
      </div>  
    </div>  
  </div>  
</div>
```

2. If you don't want content close to the edge of `< div >`, you can fill the outer ring of `< div >` by setting "padding" in CSS.

```
padding:5px 0 5px 29px;
```

3. If you want to make multiple blocks that are originally exclusive to one row, you can use "display: inline block;" in CSS for control, or "float" to make them float

4. For positioning elements, you can use the position statement in CSS. The default value of this item is "static" without positioning. Absolute positioning element can be generated by using absolute positioning, which is positioned relative to the first parent element other than static positioning. Use "fixed" to generate an absolute positioning element relative to the browser window, "relative" to generate a relative positioning element relative to its normal position, and "inherit" to inherit the value of "position" of the parent element.

**For Ex2:** The second task of this experiment is to make a 960px 12col website framework. In this experiment, I tried as many as possible for the block arrangement, and used a lot of CSS to beautify the page. My summary of this experiment is as follows:

1. For the beautification of the website, we should choose more appropriate color scheme according to the color science as far as possible, so that the whole webpage looks more beautiful.

2. If you need to modify the font, you can modify it by "font family" in CSS, and control the font size by modifying "font size".

```
font-family: Gotham, "Helvetica Neue", Helvetica, Arial,
"sans-serif";
font-size: 10px;
```

3. If you want to add fillets to < div >, you can use "border radius" to control the radius of fillets in the CSS form.

```
border-radius: 12px;
```

4. For the control of paragraph line height and word spacing, use "line height;" and "letter spacing" in CSS respectively.

```
line-height: 100%;
letter-spacing: 2px;
```

5. Due to "960" \_ 12 \_ col.css " The width of the column is controlled only in CSS, but the height of the block is not controlled. It is necessary to add height control in CSS to adjust the height of the block.

6. If you want a block of the same row to start with a non first column, you can use "push" in the class\_ Column number "to move the block to the right by a certain number of columns

7. In the class of global maximum framework < div >, we should use "Clearfix" to clear the float and solve the problem of height collapse.

8. Use "prefix" respectively\_ Column number "and" suffix "\_ Number of columns "to control how many columns are left blank on the left and right

sides of the block.

9. If you don't want floating elements to appear on the left / right / both sides of the block, use "clear" to control it.

```
clear:both/left/right
```

#### Summary:

Through this experiment, I learned and mastered the operation skills of < div > box and CSS, learned 960px 12col web design framework rules, mastered the programming and writing ability of HTML and CSS code, and enhanced the design ability and aesthetic ability of webpage. Can do more handy control the size, location, appearance and other factors of web page elements. My web page production ability has improved to some extent, but I believe that after that, I can do better.