

Bootstrap 4 Module Assignment 3:

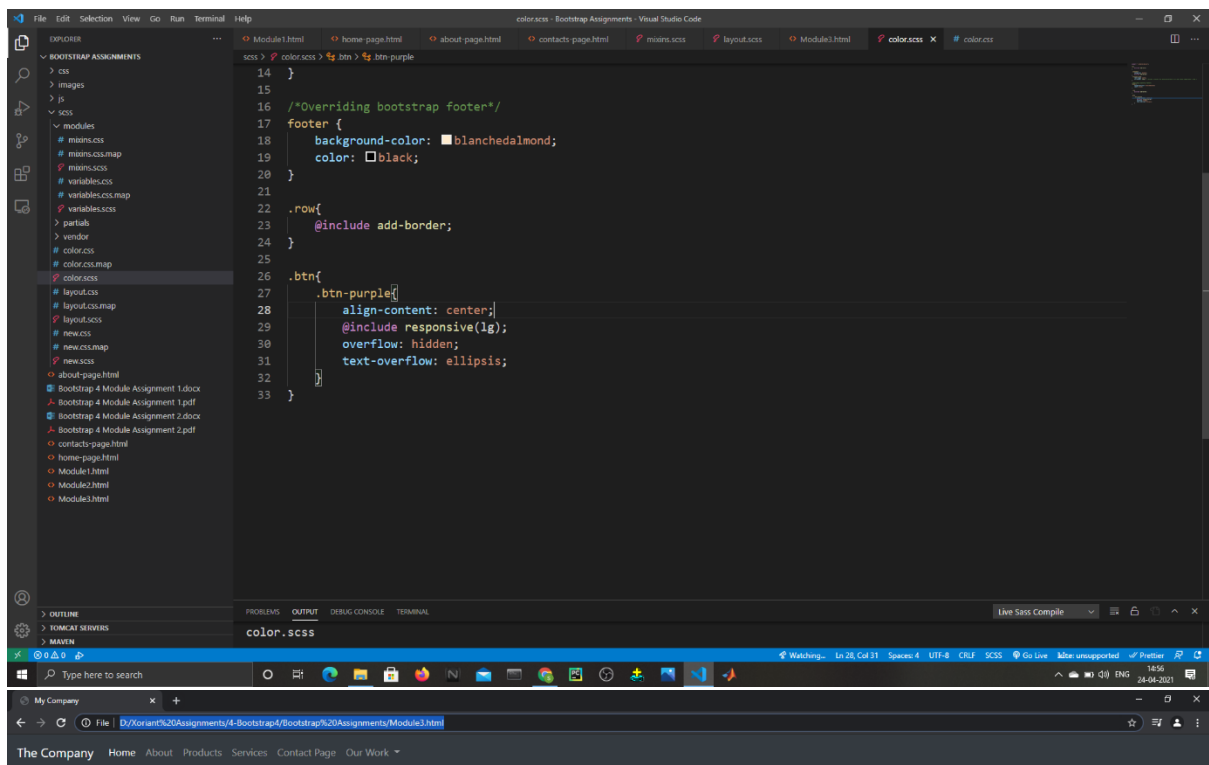
Code and Output:

The top screenshot shows the SCSS code for the 'color.scss' file. The code defines a mixin named 'responsive' that uses Bootstrap's media queries to apply different background colors to elements based on their screen size. The colors are yellow for xs, orange for sm, and purple for lg and xl.

```
16
17 @mixin responsive($size){
18   @if $size == xs {
19     @media(max-width: 576px){
20       @content;
21     }
22   }
23   @else if $size == sm {
24     @media(min-width: 576px) and (max-width: 768px){
25       @content;
26     }
27   }
28   @else if $size == md {
29     @media(min-width: 768px) and (max-width: 992px){
30       @content;
31     }
32   }
33   @else if $size == lg{
34     @media(min-width: 992px) and (max-width:1200px){
35       @content;
36     }
37   }
38   @else if $size == xl{
39     @media(min-width: 1200px){
40       @content;
41     }
42   }
43 }
```

The bottom screenshot shows the HTML code in 'Module1.html'. The code uses the 'col-sm-6' class to create a grid of 6 columns. The background colors are applied to the columns using the 'background-color' property. The colors are yellow for xs, orange for sm, and purple for lg and xl.

```
46 <h2 style="text-align: center;">Differences between Cloud Computing and Grid Computing : </h2>
47 <div class="container" id="cols">
48   <div class="row">
49     <div class="col-sm-6" style="background-color: yellow;">Cloud Computing</div>
50     <div class="col-sm-6" style="background-color: orange;">Grid Computing</div>
51   </div>
52   <br>
53   <div class="row">
54     <div class="col-sm-6" style="background-color: orange;">Cloud Computing follows client-server computing &
55     <div class="col-sm-6" style="background-color: yellow;">Grid computing follows a distributed computing ar
56   </div>
57   <br>
58   <div class="row">
59     <div class="col-sm-6" style="background-color: orange;">Cloud Computing follows client-server computing &
60     <div class="col-sm-6" style="background-color: yellow;">Grid computing follows a distributed computing ar
61   </div>
62   <br>
63   <div class="row">
64     <div class="col-sm-6" style="background-color: orange;">Cloud Computing follows client-server computing &
65     <div class="col-sm-6" style="background-color: yellow;">Grid computing follows a distributed computing ar
66   </div>
67   <br>
68   <div class="row">
69     <div class="col-sm-6" style="background-color: yellow;">Cloud operates as a centralized management system
70     <div class="col-sm-6" style="background-color: orange;">Grid operates as a decentralized management syste
71   </div>
72   <br>
73   <div class="row">
74     <div class="col-sm-6" style="background-color: orange;">In cloud computing, cloud servers are owned by ir
75     <div class="col-sm-6" style="background-color: yellow;">In Grid computing, grids are owned and managed by
76   </div>
```



Differences between Cloud Computing and Grid Computing :

Cloud Computing	Grid Computing
Cloud Computing follows client-server computing architecture.	Grid computing follows a distributed computing architecture.
Scalability is high.	Scalability is normal.
Cloud Computing is more flexible than grid computing.	Grid Computing is less flexible than cloud computing.
Cloud operates as a centralized management system.	Grid operates as a decentralized management system.
In cloud computing, cloud servers are owned by infrastructure providers.	In Grid computing, grids are owned and managed by the organization.

For media



