

**CERTIFICATE IN COMPUTER
APPLICATION(CCA)**

**CCA -104 : WEB TECHNOLOGIES
ASSIGNMENT**

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CCA-104: Web Technologies Assignment

Part 1

Q.1. Write html and css for the following using div

Header		
Navigation	content	sidebars
Footer		

Ans → Create a Header :-

Step 1) Add HTML:

Example :

```
<div class="header">  
  <h1>Header</h1>  
  <p>My supercool header</p>  
</div>
```

Step 2) Add CSS:

style the header with a large padding, centered text, a specific background-color and a big sized text:

Example :

```
.header {
  padding: 60px;
  text-align: center;
  background: #1abc9c;
  color: white;
  font-size: 30px;
}
```

Create A Top Navigation Bar

Step 1) Add HTML:

Example :

```
<div class="topnav">
  <a class="active" href="#home">Home </a>
  <a href="#news">News </a>
  <a href="#contact">contact </a>
  <a href="#about">About </a>
</div>
```

Step 2) Add CSS:

Example :

```
/* Add a black background color to
the top navigation */
.topnav {
  background-color: #333;
  overflow: hidden;
}
```


/* style the links inside the navigation box */

```
.topnav a {  
  float : left;  
  color : #f2f2f2;  
  text-align : center;  
  padding : 14px 16px;  
  text-decoration : none;  
  font size : 17px;  
}
```

/* change the color of links on hover */

```
.topnav a :hover {  
  background-color : #add8e6;  
  color : black;  
}
```

/* Add a color to the active/current link */

```
.topnav a.active {  
  background-color : #04a6a6;  
  color : white;  
}
```

Create a content

Step 1) Add HTML

Example

```
<!-- Page content -->  
<div class="main">  
  ...
```

| </div>

step 2) Add CSS

Example :-

```
/* style page content */
main {
    margin-left: 160px; /* Same as the
    width of the sidebar */
    padding: 0px 10px;
}
/* On smaller screens, whose height is
less than 450px, change the style of
the sidebar (less padding and a smaller font
size) */
@media screen and (max-height: 450px) {
    .sidemav { padding-top: 15px; }
    .sidemav a { font-size: 18px; }
}
```

create a fixed sidebar

step 1) Add HTML:

Example:-

```
<!-- Side navigation -->
<div class="sidemav">
  <a href="#"> About </a>
  <a href="#"> Services </a>
  <a href="#"> clients </a>
```

```
<a href = "#">contact </a>
</div>
```

```
<!-- Page content -->
<div class = "main">
...
</div>
```

step 2) Add css:

Example :-

```
/* The sidebar menu */
.sidebar {
  height: 100%; /* full-height: remove this
                 if you want "auto" height */
  width: 160px; /* Set the width of the
                 sidebar */
  position: fixed; /* fixed sidebar (stay in place
                    on scroll) */
  z-index: 1; /* stay on top */
  top: 0; /* stay at the top */
  left: 0;
  background-color: #111; /* Black */
  overflow-x: hidden; /* Disable horizontal
                       scroll */
  padding-top: 20px;
}
/* The navigation menu links */
.sidebar a {
  padding: 6px 8px 6px 16px;
```



```
text-decoration : none ;
font-size : 25px ;
color : #818181 ;
display : block ;
}
/* when you mouse over the navigation links,
change their color */
.sidenav a : hover {
    color : #f1f1f1 ;
}
/* style page content */
.main {
    margin-left : 160px ; /* same as the width
of the sidebar */
padding : 0px 10px ;
}

/* On smaller screens, where height is less
than 450px, change the style of the sidebar
(less padding and a smaller font size) */
@media screen and (max-height : 450px) {
    .sidenav {padding-top : 15px ;}
    .sidenav a {font-size : 18px ;}
}
```

How To create a fixed footer

Example :-

```
<style>
  footer {
    position: fixed;
    left: 0;
    bottom: 0;
    width: 100%;
    background-color: red;
    color: white;
    text-align: center;
  }
```

```
</style>
```

```
<div class="footer">
  <p>footer</p>
</div>
```

Q2. Write html for the following table

H1	H2	H3
C1	C2	
	C3	C4

Ans. =>

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2> HTML Tables </h2>
```

```
<p> HTML tables start with a table tag. </p>
```

```
<p> Table rows start with a tr tag. </p>
```

```
<p> Table data start with a td tag. </p>
```

```
<hr>
```

```
<h2> 1 column : </h2>
```

```
<table>
```

```
<tr>
```

```
<td> 100 </td>
```

```
</tr>
```

```
</table>
```

```
<hr>
```

```
<h2> 1 Row and 3 columns : </h2>
```

```
<table>
```

```
<tr>
```

```
<td>100</td>
<td>200</td>
<td>300</td>
</tr>
<table>
```

```
<hr>
<h2>3 Rows and 3 columns:</h2>
<table>
```

```
<tr>
  <td>100</td>
  <td>200</td>
  <td>300</td>
```

```
</tr>
```

```
<tr>
```

```
<td>400</td>
```

```
<td>500</td>
```

```
<td>600</td>
```

```
</tr>
```

```
<tr>
```

```
<td>700</td>
```

```
<td>800</td>
```

```
<td>900</td>
```

```
</tr>
```

```
</table>
```

```
<hr>
```

```
</body>
```

```
</html>
```

Part 2

Q.3. Write a program to display count, from 5 to 15 using PHP loop as given below.

Ans. → Rules & Hint

- You can use "for" or "while" loop
- You can use variable to initialize count
- You can use html tag for line break

View solution / Program

```
<? php
$count = 5;
while ($count <= 15)
{
    echo $count;
    echo "<br>";

    $count ++;
}
?>
```

Tutorials class - output window

5
6
7
8
9
10
11
12
13
14
15

Q.4. Write a program in javascript for unit conversion from kilometer (km) to centimeter (cm). use of message box is necessary.

Ans. → // This is a Java program which converts the value of kilometer into the value in cm.

```
import java.io.*;
class convert {
    static double conversion_kilometer_to_cm (int kilometer)
    {
        double centimeter;
        centimeter = 100000 * kilometer;
        system.out.printf("Value in centimeter is : %.2f\n", centimeter);
        return 0;
    }
    public static void main (String args[])
    {
        int kilometer = 2.008457;
        conversion_kilometer_to_cm (kilometer);
    }
}
```

Output :

Value in centimeter is : 200845.70

Formula :

1 km = 100000 cm.cm = 100000 * kilometer.
