

# CCA -104 : WEB TECHNOLOGIES

## ASSIGNMENT

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## Part-1

Q.1) Write HTML and CSS for the following using div

	Header	
Navigation	Content	Sidebar

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, condensed text, a specific background color and a big sized text:

## Example

```

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

```

## Navigation

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 bar \*/

```
topnav a {  
  float: left;  
  color: # f2f2f2;  
  text-align: center;  
  padding: 4px 16px;  
  text-decoration: none;  
  font-size: 17px;  
}
```

\* Change the color of links on hover \*/

```
topnav a: hover {  
  background-color: # 000;  
  color: black;  
}
```

\* Add a color of the active / current link \*/

```
topnav a: active {  
  background-color: # 04AA6D;  
  color: white;  
}
```

# Create a Header Content

## Step 1 > Add HTML:

### Example

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

## Step 2 > Add CSS:

### Example

```
/* style page content */  
.main {  
  margin-left: 460px; /* same as the width  
of the sidebar */  
  padding: 0px 10px;  
}  
/* on smaller screens, where height is less  
then 450px, change the style of the  
sidebar (less padding and a smaller font  
size) */  
@media screen and (max-height: 450px) {  
  .sidebar { padding: 0px 10px; }  
  .sidebar a { font-size: 18px; }  
}
```

# Sidebar

## 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 */
.sidemav {

```



```

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 */
.sidemenu 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 */
.sidemenu 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

{

• sidebar { padding-top: 15px; }

• sidebar a { font-size: 18px; }

}

## Footer

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">
```

```
<PS footer</PS>
```

```
</div>
```



Q) 2) Write the html for the following table.

H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>
C <sub>1</sub>	C <sub>2</sub>	
	C <sub>3</sub>	C <sub>4</sub>

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 column : </h2>
```

## Part-2

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

Ans → Write a Program to count 5 to 15 using PHP loop

Description:

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

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

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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 → Program to Convert kilometer to cm

Here, we will learn how to convert the length value, which is given in kilometer, to the length in centimeter.

If we want to convert the value of kilometer into cm value, then we have to use the following formula:

$$1 \text{ km} = 100000 \text{ cm. cm} = 100000 * \text{Kilometer.}$$

Program 1: Write a program in c for converting the length value of kilometer into Centimeter.

```
# include < Stdio.h >
int main ()
{
double kilometer = 4;
double Centimeter;
Centimeter = 100000 * kilometer;
Printf (" Value of 4 kilometer in Centimeter is : ",
Centimeter);
return 0;
}
```

Output:

Value of 4 kilometer in Centimeter is : 400000

Program 2: Write a program in PHP for  
Converting the value of kilometer  
into cm.

```
<? PHP
// This is a PHP program which converts the
value of kilometer into the value of cm
$ kilometer = 10.4;
$ Centimeter = 100000 * $ kilometer;
echo (" value of 10.4 kilometer in Centimeter
is " . $Centimeter . "\n");
?>
```

Output :

Value of 10.4 kilometer in Centimeter is : 1040000

Program 3: Write a program in java for converting the value of kilometer into cm.

<https://www.javatpoint.com/program-to-convert-kilometer-to-cm>

// 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 :
                             %0.2f\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

Program 4 : Write a program in Python for converting the value of kilometer into cm.

```
# This is a python program which converts  
the value of kilometer into cm
```

```
kilometer = int(input("Enter the length in kilometer:"))
```

```
# convert kilometer to cm  
Centimeter = 100000 * kilometer;
```

```
print("The length in Centimeter", round(Centimeter))
```

Output :

Enter the length in kilometer : 25  
The length in Centimeter 2500000.00

```
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 ; }
}
```

## // Footer

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 >
```