1. Write a flex program to display the contents of a typical web page containing sidebar, Ads, Header and Footer.

<!DOCTYPE html>

<html><head>

<meta name="viewport"

content="width=device-width, initial-scale=1">

<style>

html, body {

height: 100%;

padding: 0;

margin: 0;

}

.flex-master {

display: flex;

flex-direction: column;

flex-wrap: nowrap;

height: 100%;

overflow: auto;

}

.page-header {

flex: none; /\* fixed size \*/

padding: 15px;

font-size: 3em;

font-weight: bold;

background: #535353;

color: white;

}

.page-content {

flex: 1;/\* resize in container \*/

overflow: auto; /\* IMPORTANT for FireFox \*/

/\* new flex container for content \*/

display: flex;

flex-direction: row;

}

.sidebar-left {

flex: none;

background: #838383;

padding: 20px;

width: 200px;

overflow: auto;

color: white;

}

.splitter {

flex: none;

width: 17px;

cursor: col-resize;

background: #535353;

}

.content-container {

flex: 1 1 auto;

background: #eee;

padding: 20px;

width: 100%;

overflow-y: auto;

display: flex; /\* new flex for content/ads\*/

flex-direction: row;

}

.main-content {

flex: 1 1 auto;

width: 100%;

padding: 10px;

}

.page-ads {

flex: 0 0 auto;

width: 180px;

overflow: hidden;

display: flex; /\* new flex for ads \*/

flex-direction: column;

}

.ad {

flex: none;

align-self: center;

padding: 5px;

margin: 15px;

width: 150px;

height: 150px;

background: lightblue;

overflow: hidden;

/\* center ad text \*/

display: flex;

justify-content: center;

align-items: center;

}

footer {

flex: 0 0 auto;

background: #535353;

color: white;

padding: 10px;

}

</style>

</head>

<body>

<div class="flex-master">

<header class="page-header">

This is a header

</header>

<div class="page-content">

<nav class="sidebar-left">

<h3>Sidebar</h3>

<ul>

<li>Item 1</li>

<li>Item 2</li>

</ul>

</nav>

<div class="splitter">

</div>

<div class="content-container">

<article class="main-content">

This is my main content!

<hr />

This is my main content!

<hr /> ...

</article>

<aside class="page-ads">

<div class="ad">

Ad

</div>

<div class="ad">

Ad

</div> ...

</aside>

</div>

</div>

<footer>

<small>&copy West Wind Technologies, 2016</small>

</footer>

</div>

</body></html>

2.) Write a flex program to display the contents of an employee.

<style>

.form-group {

display: flex;

flex-direction: row;

}

.form-group label {

flex: none;

display: block;

width: 125px;

font-weight: bold;

font-size: 1em;

}

.form-group label.right-inline {

text-align: right;

padding-right: 8px;

padding-left: 10px;

width: auto;

}

.form-group .input-control {

flex: 1 1 auto;

display: block;

margin-bottom: 10px;

margin-right: 8px;

padding: 4px;

margin-top: -4px;

}

button {

padding: 5px 15px;

margin: 5px;

min-width: 100px

}

@media (max-width: 768px) {

.form-group {

flex-direction: column;

}

.form-group .input-control {

margin-top: 2px;

}

.form-group label.right-inline {

text-align: left;

padding-right: 0;

padding-left: 0;

}

}

</style>

<div class="form-group">

<label>First Name</label>

<input value="Rick" class="input-control" />

<label class="right-inline">Last Name</label>

<input value="Strahl" class="input-control" />

</div>

<div class="form-group">

<label>Company</label>

<input value="West Wind" class="input-control" />

</div>

<div class="form-group">

<label>Address</label>

<textarea class="input-control">32 North End</textarea>

</div>

<div class="form-group">

<label>City,State,Zip</label>

<input value="Walnut Creek"

class="input-control"

placeholder="City"

style="flex: 6" />

<input value="CA"

class="input-control"

placeholder="State"

style="flex:1" />

<input value="94152"

class="input-control"

placeholder="Postal Code"

style="flex:2" />

</div>

<div class="form-group">

<label>&nbsp;</label>

<button>Save</button>

<button>Cancel</button>

</div>