Course:Web/Mobile Programming

ICP-2

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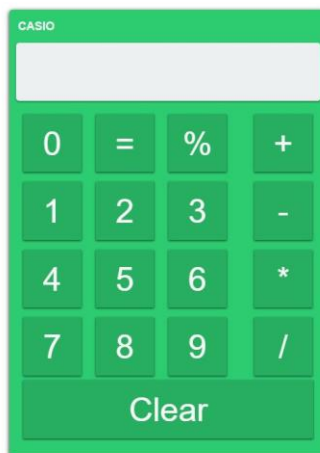
Class ID:11

[Source Code Link here](#)

[Documentation Link here](#)

[Video Link Here](#)

Use Case Task: Building a basic calculator to perform all arithmetic operations using javascript,html,css.

- The source code for this is given in source code link.
- The corresponding output snippet is given below.

In class programming task: creation of Responsive web page Design(RWD) using Bootstrap.

Code:

Html:

```html
<!DOCTYPE html>

<!--
TODO:
1.Enter your name in h1 and designation in h3
2.Replace all the placeholder images with suitable images of the same size reflecting you and your
projects.Feel free to use the sample images provided
3.Replace the content of headings App1,App2,App3,App4 with suitable headings of your projects & provide their
github links in the corresponding links
4.Make all the elements in the page responsive & align its content as shown in the output sample with the
aforementioned using bootstrap
-->


<html>
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- View port is for user visible area web page so it's for make page responsive depending on the device
like mobile or laptop-->
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
  <style>
    @media (max-width: 600px) {
      .carousel-caption {
        display: none;
      }}
    .navbar {
      margin-bottom: 0;
      border-radius: 0;
      border-bottom: 1px solid #ccc;
    }
    .carousel-inner img {
      width: 100%; /* Set width to 100% */
      margin: auto;
      min-height:200px;
    }
    body {
      background-color: #aafff7;
    }
  </style>
</head>
<!-- added family font -->
<body style="font-family:Lato,sans-serif">
<!-- taken container-->
<div class="container text-center">
  <div class="row">
    <!-- image is placed in span 1-->
    <div class="col-sm-1">
      <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-
2/Documentation/bean.jpg">
    </div>
    <!-- used hexadecimal color-->
    <!-- Entered your name in h1 and designation in h3 -->
    <div class="nav navbar-nav navbar-right">
      <h1 style="color:darkgray" >Lakshmana Kumar Mettu</h1>
      <h3 style="color:darkgray">Data Science Student</h3>
    </div>
  </div>
  <!-- added horizontal line-->
  <hr style="border-top:5px  solid gray">
</div>
```

```html
<!-- added responsive image-->
<div class="container text-center">
  <div class="row">
    <!-- placed image in span of 12 & img-responsive class provide the web page responsive  -->
    <div class="col-sm-12">
      <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-
2/Documentation/sourceimg1.png" class="img-responsive" style="width:100%;height:300px" alt="Image">
    </div>
  </div>
</div>


<div class="container text-center">
  <h2>Featured Work </h2>
  <div class="row">
    <!-- taken span 4 as we need 12 to be distributed for 3-->
    <div class="col-sm-4">
      <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-
2/Documentation/app1.png" class="img-responsive" style="width:100%;height:266px" alt="Image">
      <h3>Project-1</h3>
      <p><a href="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-
2/Documentation/app1.png">Link to project-1</a></p>
    </div>

    <div class="col-sm-4">
      <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-
2/Documentation/app2.png" class="img-responsive" style="width:100%;height:266px" alt="Image">
      <h3>Project-2</h3>
      <!-- the link is clickable-->
      <p><a href="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-
2/Documentation/app2.png">Link to project-2</a></p>
    </div>

    <div class="col-sm-4">
      <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-
2/Documentation/app3.png" class="img-responsive" style="width:100%;height:266px" alt="Image">
      <h3>Project-3</h3>
      <p><a href="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-
2/Documentation/app3.png">Link to project-3</a></p>
    </div>
  </div>

</div>

</body>
</html>
```

- Comments for each line of code given in code snippets and also explained in the video.

Bootstrap.css:

```css
/*!
 * Bootstrap v3.3.7 (http://getbootstrap.com)
 * Copyright 2011-2017 Twitter, Inc.
 * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
 */

/*!
 * Generated using the Bootstrap Customizer
(http://getbootstrap.com/customize/?id=067ed5d8987a083c36fa39a691853fb8)
 * Config saved to config.json and https://gist.github.com/067ed5d8987a083c36fa39a691853fb8
 */
/*!
 * Bootstrap v3.3.7 (http://getbootstrap.com)
 * Copyright 2011-2016 Twitter, Inc.
 * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
 */
/*! normalize.css v3.0.3 | MIT License | github.com/necolas/normalize.css */
html {
  font-family: sans-serif;
  -ms-text-size-adjust: 100%;
  -webkit-text-size-adjust: 100%;
}
```

```css
body {
  margin: 0;
}
article,
aside,
details,
figcaption,
figure,
footer,
header,
hgroup,
main,
menu,
nav,
section,
summary {
  display: block;
}
audio,
canvas,
progress,
video {
  display: inline-block;
  vertical-align: baseline;
}
audio:not([controls]) {
  display: none;
  height: 0;
}
[hidden],
template {
  display: none;
}
a {
  background-color: transparent;
}
a:active,
a:hover {
  outline: 0;
}
abbr[title] {
  border-bottom: 1px dotted;
}
b,
strong {
  font-weight: bold;
}
dfn {
  font-style: italic;
}
h1 {
  font-size: 2em;
  margin: 0.67em 0;
}
mark {
  background: #ff0;
  color: #000;
}
small {
  font-size: 80%;
}
sub,
sup {
  font-size: 75%;
  line-height: 0;
  position: relative;
  vertical-align: baseline;
}
sup {
  top: -0.5em;
}
sub {
  bottom: -0.25em;
}
img {
  border: 0;
}
svg:not(:root) {
  overflow: hidden;
}
figure {
```

```css
  margin: 1em 40px;
}
hr {
  -webkit-box-sizing: content-box;
     -moz-box-sizing: content-box;
          box-sizing: content-box;
  height: 0;
}
pre {
  overflow: auto;
}
code,
kbd,
pre,
samp {
  font-family: monospace, monospace;
  font-size: 1em;
}
button,
input,
optgroup,
select,
textarea {
  color: inherit;
  font: inherit;
  margin: 0;
}
button {
  overflow: visible;
}
button,
select {
  text-transform: none;
}
button,
html input[type="button"],
input[type="reset"],
input[type="submit"] {
  -webkit-appearance: button;
  cursor: pointer;
}
button[disabled],
html input[disabled] {
  cursor: default;
}
button::-moz-focus-inner,
input::-moz-focus-inner {
  border: 0;
  padding: 0;
}
input {
  line-height: normal;
}
input[type="checkbox"],
input[type="radio"] {
  -webkit-box-sizing: border-box;
     -moz-box-sizing: border-box;
          box-sizing: border-box;
  padding: 0;
}
input[type="number"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
  height: auto;
}
input[type="search"] {
  -webkit-appearance: textfield;
  -webkit-box-sizing: content-box;
     -moz-box-sizing: content-box;
          box-sizing: content-box;
}
input[type="search"]::-webkit-search-cancel-button,
input[type="search"]::-webkit-search-decoration {
  -webkit-appearance: none;
}
fieldset {
  border: 1px solid #c0c0c0;
  margin: 0 2px;
  padding: 0.35em 0.625em 0.75em;
}
legend {
  border: 0;
```

```css
  padding: 0;
}
textarea {
  overflow: auto;
}
optgroup {
  font-weight: bold;
}
table {
  border-collapse: collapse;
  border-spacing: 0;
}
td,
th {
  padding: 0;
}
* {
  -webkit-box-sizing: border-box;
  -moz-box-sizing: border-box;
  box-sizing: border-box;
}
*:before,
*:after {
  -webkit-box-sizing: border-box;
  -moz-box-sizing: border-box;
  box-sizing: border-box;
}
html {
  font-size: 10px;
  -webkit-tap-highlight-color: rgba(0, 0, 0, 0);
}
body {
  font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;
  font-size: 14px;
  line-height: 1.42857143;
  color: #333333;
  background-color: #ffffff;
}
input,
button,
select,
textarea {
  font-family: inherit;
  font-size: inherit;
  line-height: inherit;
}
a {
  color: #337ab7;
  text-decoration: none;
}
a:hover,
a:focus {
  color: #23527c;
  text-decoration: underline;
}
a:focus {
  outline: 5px auto -webkit-focus-ring-color;
  outline-offset: -2px;
}
figure {
  margin: 0;
}
img {
  vertical-align: middle;
}
.img-responsive {
  display: block;
  max-width: 100%;
  height: auto;
}
.img-rounded {
  border-radius: 6px;
}
.img-thumbnail {
  padding: 4px;
  line-height: 1.42857143;
  background-color: #ffffff;
  border: 1px solid #dddddd;
  border-radius: 4px;
  -webkit-transition: all 0.2s ease-in-out;
  -o-transition: all 0.2s ease-in-out;
```

```css
  transition: all 0.2s ease-in-out;
  display: inline-block;
  max-width: 100%;
  height: auto;
}
.img-circle {
  border-radius: 50%;
}
hr {
  margin-top: 20px;
  margin-bottom: 20px;
  border: 0;
  border-top: 1px solid #eeeeee;
}
.sr-only {
  position: absolute;
  width: 1px;
  height: 1px;
  margin: -1px;
  padding: 0;
  overflow: hidden;
  clip: rect(0, 0, 0, 0);
  border: 0;
}
.sr-only-focusable:active,
.sr-only-focusable:focus {
  position: static;
  width: auto;
  height: auto;
  margin: 0;
  overflow: visible;
  clip: auto;
}
[role="button"] {
  cursor: pointer;
}
h1,
h2,
h3,
h4,
h5,
h6,
.h1,
.h2,
.h3,
.h4,
.h5,
.h6 {
  font-family: inherit;
  font-weight: 500;
  line-height: 1.1;
  color: inherit;
}
h1 small,
h2 small,
h3 small,
h4 small,
h5 small,
h6 small,
.h1 small,
.h2 small,
.h3 small,
.h4 small,
.h5 small,
.h6 small,
h1 .small,
h2 .small,
h3 .small,
h4 .small,
h5 .small,
h6 .small,
.h1 .small,
.h2 .small,
.h3 .small,
.h4 .small,
.h5 .small,
.h6 .small {
  font-weight: normal;
  line-height: 1;
  color: #777777;
}
```

```css
h1,
.h1,
h2,
.h2,
h3,
.h3 {
  margin-top: 20px;
  margin-bottom: 10px;
}
h1 small,
.h1 small,
h2 small,
.h2 small,
h3 small,
.h3 small,
h1 .small,
.h1 .small,
h2 .small,
.h2 .small,
h3 .small,
.h3 .small {
  font-size: 65%;
}
h4,
.h4,
h5,
.h5,
h6,
.h6 {
  margin-top: 10px;
  margin-bottom: 10px;
}
h4 small,
.h4 small,
h5 small,
.h5 small,
h6 small,
.h6 small,
h4 .small,
.h4 .small,
h5 .small,
.h5 .small,
h6 .small,
.h6 .small {
  font-size: 75%;
}
h1,
.h1 {
  font-size: 36px;
}
h2,
.h2 {
  font-size: 30px;
}
h3,
.h3 {
  font-size: 24px;
}
h4,
.h4 {
  font-size: 18px;
}
h5,
.h5 {
  font-size: 14px;
}
h6,
.h6 {
  font-size: 12px;
}
p {
  margin: 0 0 10px;
}
.lead {
  margin-bottom: 20px;
  font-size: 16px;
  font-weight: 300;
  line-height: 1.4;
}
@media (min-width: 768px) {
  .lead {
```

```css
    font-size: 21px;
  }
}
small,
.small {
  font-size: 85%;
}
mark,
.mark {
  background-color: #fcf8e3;
  padding: .2em;
}
.text-left {
  text-align: left;
}
.text-right {
  text-align: right;
}
.text-center {
  text-align: center;
}
.text-justify {
  text-align: justify;
}
.text-nowrap {
  white-space: nowrap;
}
.text-lowercase {
  text-transform: lowercase;
}
.text-uppercase {
  text-transform: uppercase;
}
.text-capitalize {
  text-transform: capitalize;
}
.text-muted {
  color: #777777;
}
.text-primary {
  color: #337ab7;
}
a.text-primary:hover,
a.text-primary:focus {
  color: #286090;
}
.text-success {
  color: #3c763d;
}
a.text-success:hover,
a.text-success:focus {
  color: #2b542c;
}
.text-info {
  color: #31708f;
}
a.text-info:hover,
a.text-info:focus {
  color: #245269;
}
.text-warning {
  color: #8a6d3b;
}
a.text-warning:hover,
a.text-warning:focus {
  color: #66512c;
}
.text-danger {
  color: #a94442;
}
a.text-danger:hover,
a.text-danger:focus {
  color: #843534;
}
.bg-primary {
  color: #fff;
  background-color: #337ab7;
}
a.bg-primary:hover,
a.bg-primary:focus {
  background-color: #286090;
```

```css
}
.bg-success {
  background-color: #dff0d8;
}
a.bg-success:hover,
a.bg-success:focus {
  background-color: #c1e2b3;
}
.bg-info {
  background-color: #d9edf7;
}
a.bg-info:hover,
a.bg-info:focus {
  background-color: #afd9ee;
}
.bg-warning {
  background-color: #fcf8e3;
}
a.bg-warning:hover,
a.bg-warning:focus {
  background-color: #f7ecb5;
}
.bg-danger {
  background-color: #f2dede;
}
a.bg-danger:hover,
a.bg-danger:focus {
  background-color: #e4b9b9;
}
.page-header {
  padding-bottom: 9px;
  margin: 40px 0 20px;
  border-bottom: 1px solid #eeeeee;
}
ul,
ol {
  margin-top: 0;
  margin-bottom: 10px;
}
ul ul,
ol ul,
ul ol,
ol ol {
  margin-bottom: 0;
}
.list-unstyled {
  padding-left: 0;
  list-style: none;
}
.list-inline {
  padding-left: 0;
  list-style: none;
  margin-left: -5px;
}
.list-inline > li {
  display: inline-block;
  padding-left: 5px;
  padding-right: 5px;
}
dl {
  margin-top: 0;
  margin-bottom: 20px;
}
dt,
dd {
  line-height: 1.42857143;
}
dt {
  font-weight: bold;
}
dd {
  margin-left: 0;
}
@media (min-width: 768px) {
  .dl-horizontal dt {
    float: left;
    width: 160px;
    clear: left;
    text-align: right;
    overflow: hidden;
    text-overflow: ellipsis;
```

```css
    white-space: nowrap;
  }
  .dl-horizontal dd {
    margin-left: 180px;
  }
}
abbr[title],
abbr[data-original-title] {
  cursor: help;
  border-bottom: 1px dotted #777777;
}
.initialism {
  font-size: 90%;
  text-transform: uppercase;
}
blockquote {
  padding: 10px 20px;
  margin: 0 0 20px;
  font-size: 17.5px;
  border-left: 5px solid #eeeeee;
}
blockquote p:last-child,
blockquote ul:last-child,
blockquote ol:last-child {
  margin-bottom: 0;
}
blockquote footer,
blockquote small,
blockquote .small {
  display: block;
  font-size: 80%;
  line-height: 1.42857143;
  color: #777777;
}
blockquote footer:before,
blockquote small:before,
blockquote .small:before {
  content: '\2014 \00A0';
}
.blockquote-reverse,
blockquote.pull-right {
  padding-right: 15px;
  padding-left: 0;
  border-right: 5px solid #eeeeee;
  border-left: 0;
  text-align: right;
}
.blockquote-reverse footer:before,
blockquote.pull-right footer:before,
.blockquote-reverse small:before,
blockquote.pull-right small:before,
.blockquote-reverse .small:before,
blockquote.pull-right .small:before {
  content: '';
}
.blockquote-reverse footer:after,
blockquote.pull-right footer:after,
.blockquote-reverse small:after,
blockquote.pull-right small:after,
.blockquote-reverse .small:after,
blockquote.pull-right .small:after {
  content: '\00A0 \2014';
}
address {
  margin-bottom: 20px;
  font-style: normal;
  line-height: 1.42857143;
}
.container {
  margin-right: auto;
  margin-left: auto;
  padding-left: 15px;
  padding-right: 15px;
}
@media (min-width: 768px) {
  .container {
    width: 750px;
  }
}
@media (min-width: 992px) {
  .container {
```

```css
    width: 970px;
  }
}
@media (min-width: 1200px) {
  .container {
    width: 1170px;
  }
}
.container-fluid {
  margin-right: auto;
  margin-left: auto;
  padding-left: 15px;
  padding-right: 15px;
}
.row {
  margin-left: -15px;
  margin-right: -15px;
}
.col-xs-1, .col-sm-1, .col-md-1, .col-lg-1, .col-xs-2, .col-sm-2, .col-md-2, .col-lg-2, .col-xs-3, .col-sm-3,
.col-md-3, .col-lg-3, .col-xs-4, .col-sm-4, .col-md-4, .col-lg-4, .col-xs-5, .col-sm-5, .col-md-5, .col-lg-5,
.col-xs-6, .col-sm-6, .col-md-6, .col-lg-6, .col-xs-7, .col-sm-7, .col-md-7, .col-lg-7, .col-xs-8, .col-sm-8,
.col-md-8, .col-lg-8, .col-xs-9, .col-sm-9, .col-md-9, .col-lg-9, .col-xs-10, .col-sm-10, .col-md-10, .col-lg-
10, .col-xs-11, .col-sm-11, .col-md-11, .col-lg-11, .col-xs-12, .col-sm-12, .col-md-12, .col-lg-12 {
  position: relative;
  min-height: 1px;
  padding-left: 15px;
  padding-right: 15px;
}
.col-xs-1, .col-xs-2, .col-xs-3, .col-xs-4, .col-xs-5, .col-xs-6, .col-xs-7, .col-xs-8, .col-xs-9, .col-xs-10,
.col-xs-11, .col-xs-12 {
  float: left;
}
.col-xs-12 {
  width: 100%;
}
.col-xs-11 {
  width: 91.66666667%;
}
.col-xs-10 {
  width: 83.33333333%;
}
.col-xs-9 {
  width: 75%;
}
.col-xs-8 {
  width: 66.66666667%;
}
.col-xs-7 {
  width: 58.33333333%;
}
.col-xs-6 {
  width: 50%;
}
.col-xs-5 {
  width: 41.66666667%;
}
.col-xs-4 {
  width: 33.33333333%;
}
.col-xs-3 {
  width: 25%;
}
.col-xs-2 {
  width: 16.66666667%;
}
.col-xs-1 {
  width: 8.33333333%;
}
.col-xs-pull-12 {
  right: 100%;
}
.col-xs-pull-11 {
  right: 91.66666667%;
}
.col-xs-pull-10 {
  right: 83.33333333%;
}
.col-xs-pull-9 {
  right: 75%;
}
.col-xs-pull-8 {
```

```css
  right: 66.66666667%;
}
.col-xs-pull-7 {
  right: 58.33333333%;
}
.col-xs-pull-6 {
  right: 50%;
}
.col-xs-pull-5 {
  right: 41.66666667%;
}
.col-xs-pull-4 {
  right: 33.33333333%;
}
.col-xs-pull-3 {
  right: 25%;
}
.col-xs-pull-2 {
  right: 16.66666667%;
}
.col-xs-pull-1 {
  right: 8.33333333%;
}
.col-xs-pull-0 {
  right: auto;
}
.col-xs-push-12 {
  left: 100%;
}
.col-xs-push-11 {
  left: 91.66666667%;
}
.col-xs-push-10 {
  left: 83.33333333%;
}
.col-xs-push-9 {
  left: 75%;
}
.col-xs-push-8 {
  left: 66.66666667%;
}
.col-xs-push-7 {
  left: 58.33333333%;
}
.col-xs-push-6 {
  left: 50%;
}
.col-xs-push-5 {
  left: 41.66666667%;
}
.col-xs-push-4 {
  left: 33.33333333%;
}
.col-xs-push-3 {
  left: 25%;
}
.col-xs-push-2 {
  left: 16.66666667%;
}
.col-xs-push-1 {
  left: 8.33333333%;
}
.col-xs-push-0 {
  left: auto;
}
.col-xs-offset-12 {
  margin-left: 100%;
}
.col-xs-offset-11 {
  margin-left: 91.66666667%;
}
.col-xs-offset-10 {
  margin-left: 83.33333333%;
}
.col-xs-offset-9 {
  margin-left: 75%;
}
.col-xs-offset-8 {
  margin-left: 66.66666667%;
}
.col-xs-offset-7 {
```

```css
  margin-left: 58.33333333%;
}
.col-xs-offset-6 {
  margin-left: 50%;
}
.col-xs-offset-5 {
  margin-left: 41.66666667%;
}
.col-xs-offset-4 {
  margin-left: 33.33333333%;
}
.col-xs-offset-3 {
  margin-left: 25%;
}
.col-xs-offset-2 {
  margin-left: 16.66666667%;
}
.col-xs-offset-1 {
  margin-left: 8.33333333%;
}
.col-xs-offset-0 {
  margin-left: 0%;
}
@media (min-width: 768px) {
  .col-sm-1, .col-sm-2, .col-sm-3, .col-sm-4, .col-sm-5, .col-sm-6, .col-sm-7, .col-sm-8, .col-sm-9, .col-sm-
10, .col-sm-11, .col-sm-12 {
    float: left;
  }
  .col-sm-12 {
    width: 100%;
  }
  .col-sm-11 {
    width: 91.66666667%;
  }
  .col-sm-10 {
    width: 83.33333333%;
  }
  .col-sm-9 {
    width: 75%;
  }
  .col-sm-8 {
    width: 66.66666667%;
  }
  .col-sm-7 {
    width: 58.33333333%;
  }
  .col-sm-6 {
    width: 50%;
  }
  .col-sm-5 {
    width: 41.66666667%;
  }
  .col-sm-4 {
    width: 33.33333333%;
  }
  .col-sm-3 {
    width: 25%;
  }
  .col-sm-2 {
    width: 16.66666667%;
  }
  .col-sm-1 {
    width: 8.33333333%;
  }
  .col-sm-pull-12 {
    right: 100%;
  }
  .col-sm-pull-11 {
    right: 91.66666667%;
  }
  .col-sm-pull-10 {
    right: 83.33333333%;
  }
  .col-sm-pull-9 {
    right: 75%;
  }
  .col-sm-pull-8 {
    right: 66.66666667%;
  }
  .col-sm-pull-7 {
    right: 58.33333333%;
```

```css
}
.col-sm-pull-6 {
  right: 50%;
}
.col-sm-pull-5 {
  right: 41.66666667%;
}
.col-sm-pull-4 {
  right: 33.33333333%;
}
.col-sm-pull-3 {
  right: 25%;
}
.col-sm-pull-2 {
  right: 16.66666667%;
}
.col-sm-pull-1 {
  right: 8.33333333%;
}
.col-sm-pull-0 {
  right: auto;
}
.col-sm-push-12 {
  left: 100%;
}
.col-sm-push-11 {
  left: 91.66666667%;
}
.col-sm-push-10 {
  left: 83.33333333%;
}
.col-sm-push-9 {
  left: 75%;
}
.col-sm-push-8 {
  left: 66.66666667%;
}
.col-sm-push-7 {
  left: 58.33333333%;
}
.col-sm-push-6 {
  left: 50%;
}
.col-sm-push-5 {
  left: 41.66666667%;
}
.col-sm-push-4 {
  left: 33.33333333%;
}
.col-sm-push-3 {
  left: 25%;
}
.col-sm-push-2 {
  left: 16.66666667%;
}
.col-sm-push-1 {
  left: 8.33333333%;
}
.col-sm-push-0 {
  left: auto;
}
.col-sm-offset-12 {
  margin-left: 100%;
}
.col-sm-offset-11 {
  margin-left: 91.66666667%;
}
.col-sm-offset-10 {
  margin-left: 83.33333333%;
}
.col-sm-offset-9 {
  margin-left: 75%;
}
.col-sm-offset-8 {
  margin-left: 66.66666667%;
}
.col-sm-offset-7 {
  margin-left: 58.33333333%;
}
.col-sm-offset-6 {
  margin-left: 50%;
```

```css
    }
    .col-sm-offset-5 {
      margin-left: 41.66666667%;
    }
    .col-sm-offset-4 {
      margin-left: 33.33333333%;
    }
    .col-sm-offset-3 {
      margin-left: 25%;
    }
    .col-sm-offset-2 {
      margin-left: 16.66666667%;
    }
    .col-sm-offset-1 {
      margin-left: 8.33333333%;
    }
    .col-sm-offset-0 {
      margin-left: 0%;
    }
}
@media (min-width: 992px) {
    .col-md-1, .col-md-2, .col-md-3, .col-md-4, .col-md-5, .col-md-6, .col-md-7, .col-md-8, .col-md-9, .col-md-
10, .col-md-11, .col-md-12 {
      float: left;
    }
    .col-md-12 {
      width: 100%;
    }
    .col-md-11 {
      width: 91.66666667%;
    }
    .col-md-10 {
      width: 83.33333333%;
    }
    .col-md-9 {
      width: 75%;
    }
    .col-md-8 {
      width: 66.66666667%;
    }
    .col-md-7 {
      width: 58.33333333%;
    }
    .col-md-6 {
      width: 50%;
    }
    .col-md-5 {
      width: 41.66666667%;
    }
    .col-md-4 {
      width: 33.33333333%;
    }
    .col-md-3 {
      width: 25%;
    }
    .col-md-2 {
      width: 16.66666667%;
    }
    .col-md-1 {
      width: 8.33333333%;
    }
    .col-md-pull-12 {
      right: 100%;
    }
    .col-md-pull-11 {
      right: 91.66666667%;
    }
    .col-md-pull-10 {
      right: 83.33333333%;
    }
    .col-md-pull-9 {
      right: 75%;
    }
    .col-md-pull-8 {
      right: 66.66666667%;
    }
    .col-md-pull-7 {
      right: 58.33333333%;
    }
    .col-md-pull-6 {
      right: 50%;
```

```css
}
.col-md-pull-5 {
  right: 41.66666667%;
}
.col-md-pull-4 {
  right: 33.33333333%;
}
.col-md-pull-3 {
  right: 25%;
}
.col-md-pull-2 {
  right: 16.66666667%;
}
.col-md-pull-1 {
  right: 8.33333333%;
}
.col-md-pull-0 {
  right: auto;
}
.col-md-push-12 {
  left: 100%;
}
.col-md-push-11 {
  left: 91.66666667%;
}
.col-md-push-10 {
  left: 83.33333333%;
}
.col-md-push-9 {
  left: 75%;
}
.col-md-push-8 {
  left: 66.66666667%;
}
.col-md-push-7 {
  left: 58.33333333%;
}
.col-md-push-6 {
  left: 50%;
}
.col-md-push-5 {
  left: 41.66666667%;
}
.col-md-push-4 {
  left: 33.33333333%;
}
.col-md-push-3 {
  left: 25%;
}
.col-md-push-2 {
  left: 16.66666667%;
}
.col-md-push-1 {
  left: 8.33333333%;
}
.col-md-push-0 {
  left: auto;
}
.col-md-offset-12 {
  margin-left: 100%;
}
.col-md-offset-11 {
  margin-left: 91.66666667%;
}
.col-md-offset-10 {
  margin-left: 83.33333333%;
}
.col-md-offset-9 {
  margin-left: 75%;
}
.col-md-offset-8 {
  margin-left: 66.66666667%;
}
.col-md-offset-7 {
  margin-left: 58.33333333%;
}
.col-md-offset-6 {
  margin-left: 50%;
}
.col-md-offset-5 {
  margin-left: 41.66666667%;
```

```
  }
  .col-md-offset-4 {
    margin-left: 33.33333333%;
  }
  .col-md-offset-3 {
    margin-left: 25%;
  }
  .col-md-offset-2 {
    margin-left: 16.66666667%;
  }
  .col-md-offset-1 {
    margin-left: 8.33333333%;
  }
  .col-md-offset-0 {
    margin-left: 0%;
  }
}
@media (min-width: 1200px) {
  .col-lg-1, .col-lg-2, .col-lg-3, .col-lg-4, .col-lg-5, .col-lg-6, .col-lg-7, .col-lg-8, .col-lg-9, .col-lg-
10, .col-lg-11, .col-lg-12 {
    float: left;
  }
  .col-lg-12 {
    width: 100%;
  }
  .col-lg-11 {
    width: 91.66666667%;
  }
  .col-lg-10 {
    width: 83.33333333%;
  }
  .col-lg-9 {
    width: 75%;
  }
  .col-lg-8 {
    width: 66.66666667%;
  }
  .col-lg-7 {
    width: 58.33333333%;
  }
  .col-lg-6 {
    width: 50%;
  }
  .col-lg-5 {
    width: 41.66666667%;
  }
  .col-lg-4 {
    width: 33.33333333%;
  }
  .col-lg-3 {
    width: 25%;
  }
  .col-lg-2 {
    width: 16.66666667%;
  }
  .col-lg-1 {
    width: 8.33333333%;
  }
  .col-lg-pull-12 {
    right: 100%;
  }
  .col-lg-pull-11 {
    right: 91.66666667%;
  }
  .col-lg-pull-10 {
    right: 83.33333333%;
  }
  .col-lg-pull-9 {
    right: 75%;
  }
  .col-lg-pull-8 {
    right: 66.66666667%;
  }
  .col-lg-pull-7 {
    right: 58.33333333%;
  }
  .col-lg-pull-6 {
    right: 50%;
  }
  .col-lg-pull-5 {
    right: 41.66666667%;
```

```css
}
.col-lg-pull-4 {
  right: 33.33333333%;
}
.col-lg-pull-3 {
  right: 25%;
}
.col-lg-pull-2 {
  right: 16.66666667%;
}
.col-lg-pull-1 {
  right: 8.33333333%;
}
.col-lg-pull-0 {
  right: auto;
}
.col-lg-push-12 {
  left: 100%;
}
.col-lg-push-11 {
  left: 91.66666667%;
}
.col-lg-push-10 {
  left: 83.33333333%;
}
.col-lg-push-9 {
  left: 75%;
}
.col-lg-push-8 {
  left: 66.66666667%;
}
.col-lg-push-7 {
  left: 58.33333333%;
}
.col-lg-push-6 {
  left: 50%;
}
.col-lg-push-5 {
  left: 41.66666667%;
}
.col-lg-push-4 {
  left: 33.33333333%;
}
.col-lg-push-3 {
  left: 25%;
}
.col-lg-push-2 {
  left: 16.66666667%;
}
.col-lg-push-1 {
  left: 8.33333333%;
}
.col-lg-push-0 {
  left: auto;
}
.col-lg-offset-12 {
  margin-left: 100%;
}
.col-lg-offset-11 {
  margin-left: 91.66666667%;
}
.col-lg-offset-10 {
  margin-left: 83.33333333%;
}
.col-lg-offset-9 {
  margin-left: 75%;
}
.col-lg-offset-8 {
  margin-left: 66.66666667%;
}
.col-lg-offset-7 {
  margin-left: 58.33333333%;
}
.col-lg-offset-6 {
  margin-left: 50%;
}
.col-lg-offset-5 {
  margin-left: 41.66666667%;
}
.col-lg-offset-4 {
  margin-left: 33.33333333%;
```

```css
      }
      .col-lg-offset-3 {
        margin-left: 25%;
      }
      .col-lg-offset-2 {
        margin-left: 16.66666667%;
      }
      .col-lg-offset-1 {
        margin-left: 8.33333333%;
      }
      .col-lg-offset-0 {
        margin-left: 0%;
      }
}
.modal-open {
  overflow: hidden;
}
.modal {
  display: none;
  overflow: hidden;
  position: fixed;
  top: 0;
  right: 0;
  bottom: 0;
  left: 0;
  z-index: 1050;
  -webkit-overflow-scrolling: touch;
  outline: 0;
}
.modal.fade .modal-dialog {
  -webkit-transform: translate(0, -25%);
  -ms-transform: translate(0, -25%);
  -o-transform: translate(0, -25%);
  transform: translate(0, -25%);
  -webkit-transition: -webkit-transform 0.3s ease-out;
  -o-transition: -o-transform 0.3s ease-out;
  transition: transform 0.3s ease-out;
}
.modal.in .modal-dialog {
  -webkit-transform: translate(0, 0);
  -ms-transform: translate(0, 0);
  -o-transform: translate(0, 0);
  transform: translate(0, 0);
}
.modal-open .modal {
  overflow-x: hidden;
  overflow-y: auto;
}
.modal-dialog {
  position: relative;
  width: auto;
  margin: 10px;
}
.modal-content {
  position: relative;
  background-color: #ffffff;
  border: 1px solid #999999;
  border: 1px solid rgba(0, 0, 0, 0.2);
  border-radius: 6px;
  -webkit-box-shadow: 0 3px 9px rgba(0, 0, 0, 0.5);
  box-shadow: 0 3px 9px rgba(0, 0, 0, 0.5);
  -webkit-background-clip: padding-box;
          background-clip: padding-box;
  outline: 0;
}
.modal-backdrop {
  position: fixed;
  top: 0;
  right: 0;
  bottom: 0;
  left: 0;
  z-index: 1040;
  background-color: #000000;
}
.modal-backdrop.fade {
  opacity: 0;
  filter: alpha(opacity=0);
}
.modal-backdrop.in {
  opacity: 0.5;
  filter: alpha(opacity=50);
```

```css
}
.modal-header {
  padding: 15px;
  border-bottom: 1px solid #e5e5e5;
}
.modal-header .close {
  margin-top: -2px;
}
.modal-title {
  margin: 0;
  line-height: 1.42857143;
}
.modal-body {
  position: relative;
  padding: 15px;
}
.modal-footer {
  padding: 15px;
  text-align: right;
  border-top: 1px solid #e5e5e5;
}
.modal-footer .btn + .btn {
  margin-left: 5px;
  margin-bottom: 0;
}
.modal-footer .btn-group .btn + .btn {
  margin-left: -1px;
}
.modal-footer .btn-block + .btn-block {
  margin-left: 0;
}
.modal-scrollbar-measure {
  position: absolute;
  top: -9999px;
  width: 50px;
  height: 50px;
  overflow: scroll;
}
@media (min-width: 768px) {
  .modal-dialog {
    width: 600px;
    margin: 30px auto;
  }
  .modal-content {
    -webkit-box-shadow: 0 5px 15px rgba(0, 0, 0, 0.5);
    box-shadow: 0 5px 15px rgba(0, 0, 0, 0.5);
  }
  .modal-sm {
    width: 300px;
  }
}
@media (min-width: 992px) {
  .modal-lg {
    width: 900px;
  }
}
.clearfix:before,
.clearfix:after,
.dl-horizontal dd:before,
.dl-horizontal dd:after,
.container:before,
.container:after,
.container-fluid:before,
.container-fluid:after,
.row:before,
.row:after,
.modal-header:before,
.modal-header:after,
.modal-footer:before,
.modal-footer:after {
  content: " ";
  display: table;
}
.clearfix:after,
.dl-horizontal dd:after,
.container:after,
.container-fluid:after,
.row:after,
.modal-header:after,
.modal-footer:after {
  clear: both;
```

```
}
.center-block {
  display: block;
  margin-left: auto;
  margin-right: auto;
}
.pull-right {
  float: right !important;
}
.pull-left {
  float: left !important;
}
.hide {
  display: none !important;
}
.show {
  display: block !important;
}
.invisible {
  visibility: hidden;
}
.text-hide {
  font: 0/0 a;
  color: transparent;
  text-shadow: none;
  background-color: transparent;
  border: 0;
}
.hidden {
  display: none !important;
}
.affix {
  position: fixed;
}
```

Code and output snippets:

```
<!DOCTYPE html>

<!--
TODO:
1.Enter your name in h1 and designation in h3
2.Replace all the placeholder images with suitable images of the same size reflecting you and your projects.Feel free to use the sample images prov
3.Replace the content of headings App1,App2,App3,App4 with suitable headings of your projects & provide their github links in the corresponding lir
4.Make all the elements in the page responsive & align its content as shown in the output sample with the aforementioned using bootstrap
-->


<html>
<head>
    <title>Bootstrap Example</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- View port is for user visible area web page so it's for make page responsive depending on the device like mobile or laptop-->
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
    <style>
        @media (max-width: 600px) {
            .carousel-caption {
                display: none;
            }}
        .navbar {
            margin-bottom: 0;
            border-radius: 0;
            border-bottom: 1px solid #ccc;
        }
        .carousel-inner img {
            width: 100%; /* Set width to 100% */
            margin: auto;
            min-height:200px;
        }
```

```
        }
    </style>
</head>
<!-- added family font -->
<body style="font-family:Lato,sans-serif">
<!-- taken container-->
<div class="container text-center">
    <div class="row">
        <!-- image is placed in span 1-->
        <div class="col-sm-1">
            <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-2/Documentation/mlk.jpg">
        </div>
        <!-- used hexadecimal color-->
        <!-- Entered your name in h1 and designation in h3 -->
        <div class="nav navbar-nav navbar-right">
            <h1 style="color:darkgray" >Lakshmana Kumar Mettu</h1>
            <h3 style="color:darkgray">Data Science Student</h3>
        </div>
    </div>
    <!-- added horizontal line-->
    <hr style="border-top:5px  solid gray">
</div>

<!-- added responsive image-->
<div class="container text-center">
    <div class="row">
        <!-- placed image in span of 12 & img-responsive class provide the web page responsive  -->
        <div class="col-sm-12">
            <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-2/Documentation/sourceimg1.png" class="img-responsive" style="width:100%;height:
        </div>
    </div>
</div>
```

```
<div class="container text-center">
    <h2>Featured Work </h2>
    <div class="row">
        <!-- taken span 4 as we need 12 to be distributed for 3-->
        <div class="col-sm-4">
            <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-2/Documentation/app1.png" class="img-responsive" style="width:100%;height:266px" alt="Image">
            <h3>Project-1</h3>
            <p><a href="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-2/Documentation/app1.png">Link to project-1</a></p>
        </div>

        <div class="col-sm-4">
            <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-2/Documentation/app2.png" class="img-responsive" style="width:100%;height:266px" alt="Image">
            <h3>Project-2</h3>
            <!-- the link is clickable-->
            <p><a href="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-2/Documentation/app2.png">Link to project-2</a></p>
        </div>

        <div class="col-sm-4">
            <img src="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-2/Documentation/app3.png" class="img-responsive" style="width:100%;height:266px" alt="Image">
            <h3>Project-3</h3>
            <p><a href="https://raw.githubusercontent.com/lakshmanamettu/Web-Programming/master/ICP'S/Icp-2/Documentation/app3.png">Link to project-3</a></p>
        </div>
    </div>

</div>

</body>
</html>
```
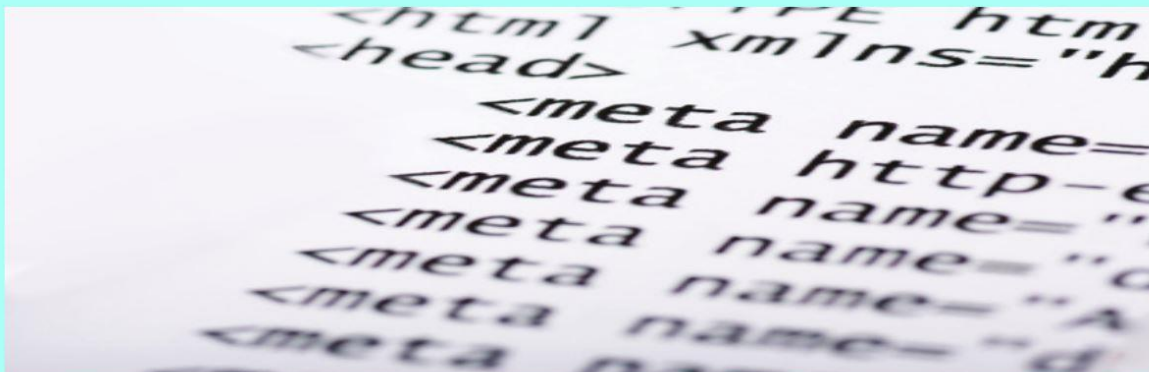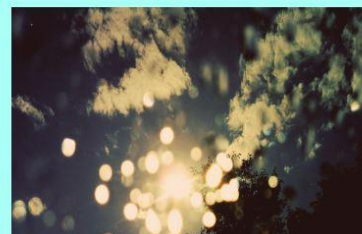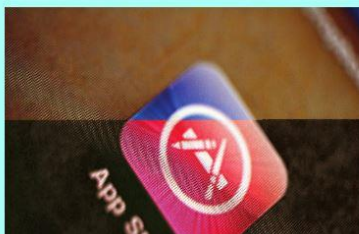
Lakshmana Kumar Mettu

Data Science Student

Featured Work

Featured Work

Featured Work

Project-1

Link to project-1

Project-2

Link to project-2

Project-3

Link to project-3

Featured Work

Project-1

Link to project-1

Project-2

Link to project-2

Project-3

Link to project-3