**Bootstrap**

Task no 01 How to install bootstrap in your HTML document.

Simply add this bootstrap css file in your head tag “ <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">”

OR

Download bootstrap and add the file in public folder

Task no 02 Tables

<table class= "table table-hover table-dark">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Address</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>ALI</td>

<td>KAMRAN</td>

<td>Gujranwala</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Mozam</td>

<td>Imran</td>

<td>Lahore</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Athar</td>

<td>Islamabad</td>

</tr>

</tbody>

</table>

Task no 03 Forms

<form>

<div class="form-row">

<div class="form-group col-md-6">

<label for="inputEmail4">Email</label>

<input type="email" class="form-control" id="inputEmail4" placeholder="Email">

</div>

<div class="form-group col-md-6">

<label for="inputPassword4">Password</label>

<input type="password" class="form-control" id="inputPassword4" placeholder="Password">

</div>

</div>

<div class="form-group">

<label for="inputAddress">Address</label>

<input type="text" class="form-control" id="inputAddress" placeholder="1234 Main St">

</div>

<div class="form-group">

<label for="inputAddress2">Address 2</label>

<input type="text" class="form-control" id="inputAddress2" placeholder="Apartment, studio, or floor">

</div>

<div class="form-row">

<div class="form-group col-md-6">

<label for="inputCity">City</label>

<input type="text" class="form-control" id="inputCity">

</div>

<div class="form-group col-md-4">

<label for="inputState">State</label>

<select id="inputState" class="form-control">

<option selected>Choose...</option>

<option>...</option>

</select>

</div>

<div class="form-group col-md-2">

<label for="inputZip">Zip</label>

<input type="text" class="form-control" id="inputZip">

</div>

</div>

<fieldset class="form-group">

<div class="row">

<legend class="col-form-label col-sm-2 pt-0">Radios</legend>

<div class="col-sm-10">

<div class="form-check">

<input class="form-check-input" type="radio" name="gridRadios" id="gridRadios1" value="option1" checked>

<label class="form-check-label" for="gridRadios1">

First radio

</label>

</div>

<div class="form-check">

<input class="form-check-input" type="radio" name="gridRadios" id="gridRadios2" value="option2">

<label class="form-check-label" for="gridRadios2">

Second radio

</label>

</div>

<div class="form-check disabled">

<input class="form-check-input" type="radio" name="gridRadios" id="gridRadios3" value="option3" disabled>

<label class="form-check-label" for="gridRadios3">

Third disabled radio

</label>

</div>

</div>

</div>

</fieldset>

<div class="form-group">

<div class="form-check">

<input class="form-check-input" type="checkbox" id="gridCheck">

<label class="form-check-label" for="gridCheck">

Check me out

</label>

</div>

</div>

<button type="submit" class="btn btn-primary">Sign in</button>

</form>

Task no 04 Button

<button type="button" class="btn btn-primary">Primary</button>

<button type="button" class="btn btn-secondary">Secondary</button>

<button type="button" class="btn btn-success">Success</button>

<button type="button" class="btn btn-danger">Danger</button>

<button type="button" class="btn btn-warning">Warning</button>

<button type="button" class="btn btn-info">Info</button>

<button type="button" class="btn btn-light">Light</button>

<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>

Block button

<button type="button" class="btn btn-primary btn-lg btn-block">Block level button</button>

<button type="button" class="btn btn-secondary btn-lg btn-block">Block level button</button>

Task no 05 Images

<img src="..." class="img-fluid" alt="Responsive image">

<img src="..." alt="..." class="img-thumbnail">

<img src="..." class="rounded float-left" alt="...">

<img src="..." class="rounded float-right" alt="...">

Task no 06 Thumbnails

<img src="..." alt="..." class="img-thumbnail">

Task no 06 Models

First add css file in head tab then add three JavaScript file in last of html tag

Css file

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

JavaScript file

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

<button type="button" class="btn btn-primary" data-toggle="modal" data-target="#exampleModal" data-whatever="@mdo">Open modal for @mdo</button>

<button type="button" class="btn btn-primary" data-toggle="modal" data-target="#exampleModal" data-whatever="@fat">Open modal for @fat</button>

<button type="button" class="btn btn-primary" data-toggle="modal" data-target="#exampleModal" data-whatever="@getbootstrap">Open modal for @getbootstrap</button>

<div class="modal fade" id="exampleModal" tabindex="-1" role="dialog" aria-labelledby="exampleModalLabel" aria-hidden="true">

<div class="modal-dialog" role="document">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="exampleModalLabel">New message</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<form>

<div class="form-group">

<label for="recipient-name" class="col-form-label">Recipient:</label>

<input type="text" class="form-control" id="recipient-name">

</div>

<div class="form-group">

<label for="message-text" class="col-form-label">Message:</label>

<textarea class="form-control" id="message-text"></textarea>

</div>

</form>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

<button type="button" class="btn btn-primary">Send message</button>

</div>

</div>

</div>

</div>

Task no 07 Carousels

First add css file in head tab then add three JavaScript file in last of html tag

<div id="carouselExampleIndicators" class="carousel slide" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="1"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="2"></li>

</ol>

<div class="carousel-inner">

<div class="carousel-item active">

<img class="d-block w-100" src="..." alt="First slide">

<div class="carousel-caption d-none d-md-block">

<h5>...</h5>

<p>...</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block w-100" src="..." alt="Second slide">

<div class="carousel-caption d-none d-md-block">

<h5>...</h5>

<p>...</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block w-100" src="..." alt="Third slide">

<div class="carousel-caption d-none d-md-block">

<h5>...</h5>

<p>...</p>

</div>

</div>

</div>

<a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data-slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

<span class="sr-only">Previous</span>

</a>

<a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data-slide="next">

<span class="carousel-control-next-icon" aria-hidden="true"></span>

<span class="sr-only">Next</span>

</a>

</div>

Task no 08 Dropdown Menu

<!-- Example split danger button -->

<div class="btn-group">

<button type="button" class="btn btn-danger">Action</button>

<button type="button" class="btn btn-danger dropdown-toggle dropdown-toggle-split" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">

<span class="sr-only">Toggle Dropdown</span>

</button>

<div class="dropdown-menu">

<a class="dropdown-item" href="#">Action</a>

<a class="dropdown-item" href="#">Another action</a>

<a class="dropdown-item" href="#">Something else here</a>

<div class="dropdown-divider"></div>

<a class="dropdown-item" href="#">Separated link</a>

</div>

</div>

Task no 09 Nav

<ul class="nav nav-pills">

<li class="nav-item">

<a class="nav-link active" href="#">Active</a>

</li>

<li class="nav-item dropdown">

<a class="nav-link dropdown-toggle" data-toggle="dropdown" href="#" role="button" aria-haspopup="true" aria-expanded="false">Dropdown</a>

<div class="dropdown-menu">

<a class="dropdown-item" href="#">Action</a>

<a class="dropdown-item" href="#">Another action</a>

<a class="dropdown-item" href="#">Something else here</a>

<div class="dropdown-divider"></div>

<a class="dropdown-item" href="#">Separated link</a>

</div>

</li>

<li class="nav-item">

<a class="nav-link" href="#">Link</a>

</li>

<li class="nav-item">

<a class="nav-link disabled" href="#">Disabled</a>

</li>

</ul>

Task no 10 Navbar

<nav class="navbar navbar-expand-lg navbar-light bg-light">

<a class="navbar-brand" href="#">Navbar</a>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarSupportedContent">

<ul class="navbar-nav mr-auto">

<li class="nav-item active">

<a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="#">Link</a>

</li>

<li class="nav-item dropdown">

<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">

Dropdown

</a>

<div class="dropdown-menu" aria-labelledby="navbarDropdown">

<a class="dropdown-item" href="#">Action</a>

<a class="dropdown-item" href="#">Another action</a>

<div class="dropdown-divider"></div>

<a class="dropdown-item" href="#">Something else here</a>

</div>

</li>

<li class="nav-item">

<a class="nav-link disabled" href="#">Disabled</a>

</li>

</ul>

<form class="form-inline my-2 my-lg-0">

<input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">

<button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>

</form>

</div>

</nav>

Task no 11 Pagination

<nav aria-label="Page navigation example">

<ul class="pagination justify-content-center">

<li class="page-item disabled">

<a class="page-link" href="#" tabindex="-1">Previous</a>

</li>

<li class="page-item"><a class="page-link" href="#">1</a></li>

<li class="page-item"><a class="page-link" href="#">2</a></li>

<li class="page-item"><a class="page-link" href="#">3</a></li>

<li class="page-item">

<a class="page-link" href="#">Next</a>

</li>

</ul>

</nav>

Task no 12 Popovers

<button type="button" class="btn btn-secondary" data-container="body" data-toggle="popover" data-placement="top" data-content="Vivamus sagittis lacus vel augue laoreet rutrum faucibus.">

Popover on top

</button>

<button type="button" class="btn btn-secondary" data-container="body" data-toggle="popover" data-placement="right" data-content="Vivamus sagittis lacus vel augue laoreet rutrum faucibus.">

Popover on right

</button>

<button type="button" class="btn btn-secondary" data-container="body" data-toggle="popover" data-placement="bottom" data-content="Vivamus

sagittis lacus vel augue laoreet rutrum faucibus.">

Popover on bottom

</button>

<button type="button" class="btn btn-secondary" data-container="body" data-toggle="popover" data-placement="left" data-content="Vivamus sagittis lacus vel augue laoreet rutrum faucibus.">

Popover on left

</button>

Task no 13 Alerts

<div class="alert alert-primary" role="alert">

This is a primary alert—check it out!

</div>

<div class="alert alert-secondary" role="alert">

This is a secondary alert—check it out!

</div>

<div class="alert alert-success" role="alert">

This is a success alert—check it out!

</div>

<div class="alert alert-danger" role="alert">

This is a danger alert—check it out!

</div>

<div class="alert alert-warning" role="alert">

This is a warning alert—check it out!

</div>

<div class="alert alert-info" role="alert">

This is a info alert—check it out!

</div>

<div class="alert alert-light" role="alert">

This is a light alert—check it out!

</div>

<div class="alert alert-dark" role="alert">

This is a dark alert—check it out!

</div>

Task no 14 Scrollspy

<div id="list-example" class="list-group">

<a class="list-group-item list-group-item-action" href="#list-item-1">Item 1</a>

<a class="list-group-item list-group-item-action" href="#list-item-2">Item2</a>

<a class="list-group-item list-group-item-action" href="#list-item-3">Item 3</a>

<a class="list-group-item list-group-item-action" href="#list-item-4">Item 4</a>

</div>

<div data-spy="scroll" data-target="#list-example" data-offset="0" class="scrollspy-example">

<h4 id="list-item-1">Item 1</h4>

<p>...</p>

<h4 id="list-item-2">Item 2</h4>

<p>...</p>

<h4 id="list-item-3">Item 3</h4>

<p>...</p>

<h4 id="list-item-4">Item 4</h4>

<p>...</p>

</div>

Task no 15 Tooltips

<button type="button" class="btn btn-secondary" data-toggle="tooltip" data-placement="top" title="Tooltip on top">

Tooltip on top

</button>

<button type="button" class="btn btn-secondary" data-toggle="tooltip" data-placement="right" title="Tooltip on right">

Tooltip on right

</button>

<button type="button" class="btn btn-secondary" data-toggle="tooltip" data-placement="bottom" title="Tooltip on bottom">

Tooltip on bottom

</button>

<button type="button" class="btn btn-secondary" data-toggle="tooltip" data-placement="left" title="Tooltip on left">

Tooltip on left

</button>

Task no 16 Typography

<p>You can use the mark tag to <mark>highlight</mark> text.</p>

<p><del>This line of text is meant to be treated as deleted text.</del></p>

<p><s>This line of text is meant to be treated as no longer accurate.</s></p>

<p><ins>This line of text is meant to be treated as an addition to the document.</ins></p>

<p><u>This line of text will render as underlined</u></p>

<p><small>This line of text is meant to be treated as fine print.</small></p>

<p><strong>This line rendered as bold text.</strong></p>

<p><em>This line rendered as italicized text.</em></p>

<p class="h1">h1. Bootstrap heading</p>

<p class="h2">h2. Bootstrap heading</p>

<p class="h3">h3. Bootstrap heading</p>

<p class="h4">h4. Bootstrap heading</p>

<p class="h5">h5. Bootstrap heading</p>

<p class="h6">h6. Bootstrap heading</p>

<h1>h1. Bootstrap heading</h1>

<h2>h2. Bootstrap heading</h2>

<h3>h3. Bootstrap heading</h3>

<h4>h4. Bootstrap heading</h4>

<h5>h5. Bootstrap heading</h5>

<h6>h6. Bootstrap heading</h6>

Task no 17 Typography

<!DOCTYPE html>

<html>

<head>

<title>Try v1.2 Bootstrap Online</title>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/css/bootstrap.min.css" integrity="sha384-PsH8R72JQ3SOdhVi3uxftmaW6Vc51MKb0q5P2rRUpPvrszuE4W1povHYgTpBfshb" crossorigin="anonymous">

</head>

<body>

<button id="fat-btn" class="btn btn-primary" data-loading-text="Loading..."

type="button"> Loading state

</button>

<script>

$(function() {

$(".btn").click(function(){

$(this).button('loading').delay(1000).queue(function() {

// $(this).button('reset');

});

});

});

</script>

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.3/umd/popper.min.js" integrity="sha384-vFJXuSJphROIrBnz7yo7oB41mKfc8JzQZiCq4NCceLEaO4IHwicKwpJf9c9IpFgh" crossorigin="anonymous"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/js/bootstrap.min.js" integrity="sha384-alpBpkh1PFOepccYVYDB4do5UnbKysX5WZXm3XxPqe5iKTfUKjNkCk9SaVuEZflJ" crossorigin="anonymous"></script>

</body>

</html>

Task no 18 Tabs

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<style>

body {font-family: Arial;}

/\* Style the tab \*/

.tab {

overflow: hidden;

border: 1px solid #ccc;

background-color: #f1f1f1;

}

/\* Style the buttons inside the tab \*/

.tab button {

background-color: inherit;

float: left;

border: none;

outline: none;

cursor: pointer;

padding: 14px 16px;

transition: 0.3s;

font-size: 17px;

}

/\* Change background color of buttons on hover \*/

.tab button:hover {

background-color: #ddd;

}

/\* Create an active/current tablink class \*/

.tab button.active {

background-color: #ccc;

}

/\* Style the tab content \*/

.tabcontent {

display: none;

padding: 6px 12px;

border: 1px solid #ccc;

border-top: none;

}

</style>

</head>

<body>

<h2>Tabs</h2>

<p>Click on the buttons inside the tabbed menu:</p>

<div class="tab">

<button class="tablinks" onclick="openCity(event, 'London')">London</button>

<button class="tablinks" onclick="openCity(event, 'Paris')">Paris</button>

<button class="tablinks" onclick="openCity(event, 'Tokyo')">Tokyo</button>

</div>

<div id="London" class="tabcontent">

<h3>London</h3>

<p>London is the capital city of England.</p>

</div>

<div id="Paris" class="tabcontent">

<h3>Paris</h3>

<p>Paris is the capital of France.</p>

</div>

<div id="Tokyo" class="tabcontent">

<h3>Tokyo</h3>

<p>Tokyo is the capital of Japan.</p>

</div>

<script>

function openCity(evt, cityName) {

var i, tabcontent, tablinks;

tabcontent = document.getElementsByClassName("tabcontent");

for (i = 0; i < tabcontent.length; i++) {

tabcontent[i].style.display = "none";

}

tablinks = document.getElementsByClassName("tablinks");

for (i = 0; i < tablinks.length; i++) {

tablinks[i].className = tablinks[i].className.replace(" active", "");

}

document.getElementById(cityName).style.display = "block";

evt.currentTarget.className += " active";

}

</script>

</body>

</html>

Task no 19 Collapse plugin

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

<h2>Simple Collapsible</h2>

<p>Click on the button to toggle between showing and hiding content.</p>

<button type="button" class="btn btn-primary" data-toggle="collapse" data-target="#demo">Simple collapsible</button>

<div id="demo" class="collapse">

Lorem ipsum dolor sit amet, consectetur adipisicing elit,

sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,

quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

</div>

</div>

</body>

</html>

Task no 20 Grid Systems

<div class="container">

<div class="row justify-content-md-center">

<div class="col col-lg-2">

1 of 3

</div>

<div class="col-md-auto">

Variable width content

</div>

<div class="col col-lg-2">

3 of 3

</div>

</div>

<div class="row">

<div class="col">

1 of 3

</div>

<div class="col-md-auto">

Variable width content

</div>

<div class="col col-lg-2">

3 of 3

</div>

</div>

</div>