jQuery Examples

Accordion Example using jQuery

```html
<head>
    <title>jQuery Accrodins</title>
    <script type="text/javascript" src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/jquery.min.js"></script>
    <script type="text/javascript">
        $(document).ready(function(){
            $("#div1").slideUp();
            $("#div2").slideUp();
            $("#div3").slideUp();
            $("#id1").click(function(){
                $("#div1").slideDown();
            });
            $("#id2").click(function(){
                $("#div2").slideDown();
                $("#div1").slideUp();
                $("#div3").slideUp();
            });
            $("#id3").click(function(){
                $("#div3").slideDown();
                $("#div1").slideUp();
                $("#div2").slideUp();
            });
        });
    </script>
</head>

<body>
    <div>
        <h2 id="id1">Section1</h2>
        <div id="div1">
            <p>Some text you can write here</p>
        </div>
    </div>
    <div>
        <h2 id="id2">Section2</h2>
        <div id="div2">
            <p>Some text you can write here</p>
        </div>
    </div>
    <div>
        <h2 id="id3">Section3</h2>
        <div id="div3">
            <p>Some text you can write here</p>
        </div>
    </div>
</body>
```

Accordion using jquery UI

```html
<head>
    <title>Accordin Example</title>
    <link rel="StyleSheet" href="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.css"/>
    <script type="text/javascript" src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/jquery.min.js"></script>
    <script type="text/javascript" src="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.js"></script>
    <script type="text/javascript">
        $(document).ready(function(){
            $("#div1").accordion();
        })
    </script>
</head>

<body>
    <div id="div1">
        <h2>Section1</h2>
        <div>
            <p>We can place some text in toggle format</p>
        </div>
        <h2>Section2</h2>
        <div>
            <p>We can place some text here also</p>
        </div>
        <h2>Section3</h2>
        <div>
            <p>We can place some content here also</p>
        </div>
    </div>
</body>
```

DatePicker using jquery UI

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Date Picker</title>
        <link rel="StyleSheet" href="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.css"/>
        <script type="text/javascript" src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/jquery.min.js"></script>
        <script type="text/javascript" src="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.js"></script>
        <script type="text/javascript">
            $(document).ready(function(){
                $("#txtDatePicker").datepicker();
            });
        </script>
    </head>
    <body>
        <label for="date">Date Picker : </label>
        <input type="text" id="txtDatePicker" />
    </body>
</html>
```

Tabs using jquery UI

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Tabs in jquery</title>
        <link rel="StyleSheet" href="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.css"/>
        <script type="text/javascript" src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/jquery.min.js"></script>
        <script type="text/javascript" src="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.js"></script>
        <script type="text/javascript">
            $(document).ready(function(){
                $("#div1").tabs();
            });
        </script>
    </head>
    <body>
        <div id="div1">
            <ul>
                <li><a href = "#signin">Sign In</a></li>
                <li><a href = "#signup"">Sign Up</a></li>
            </ul>
            <div id="signin">
                <p>You can place content Here</p>
            </div>
            <div id="signup">
                <p>You can place content here</p>
            </div>
        </div>
    </body>
</html>
```

Task : Load the tabs in Modal Popup it means let's take a button and clicks on the button it should need to show the popup with two tabs like Signin and Signup

Solution

```html
<head>
    <title></title>
    <link rel="stylesheet" href="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/css/bootstrap.min.css"/>
    <script src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/jquery.min.js"></script>
    <script src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.css">
    <script type="text/javascript" src="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.js"></script>
    <script type="text/javascript">
        $(document).ready(function(){
            $("#div1").tabs();
        });
    </script>
</head>

<body>
    <div class="container">
        <button type="button" class="btn btn-primary" data-toggle="modal" data-target="#myModal">
            Open Modal
        </button>
        <div class="modal" id="myModal">
            <div class="modal-dialog">
                <div class="modal-content">
                    <div class="modal-header">
                        <h3 class="modal-title">Modal Header</h3>
                    </div>
                    <div class="modal-body">
                        <div id="div1">
                            <ul>
                                <li><a href="#signin">Sign In</a></li>
                                <li><a href="#signup">Sign Up</a></li>
                            </ul>
                            <div id="signin">
                                <p>Login</p>
                            </div>
                            <div id="signup">
                                <p>Registration</p>
                            </div>
                        </div>
                    </div>
                    </div>
                    <div class="modal-footer">
                        <button type="button" class="btn btn-primary" data-dismiss="modal">Close</button>
                        <button type="button" class="btn btn-primary">Save</button>
                    </div>
                </div>
```
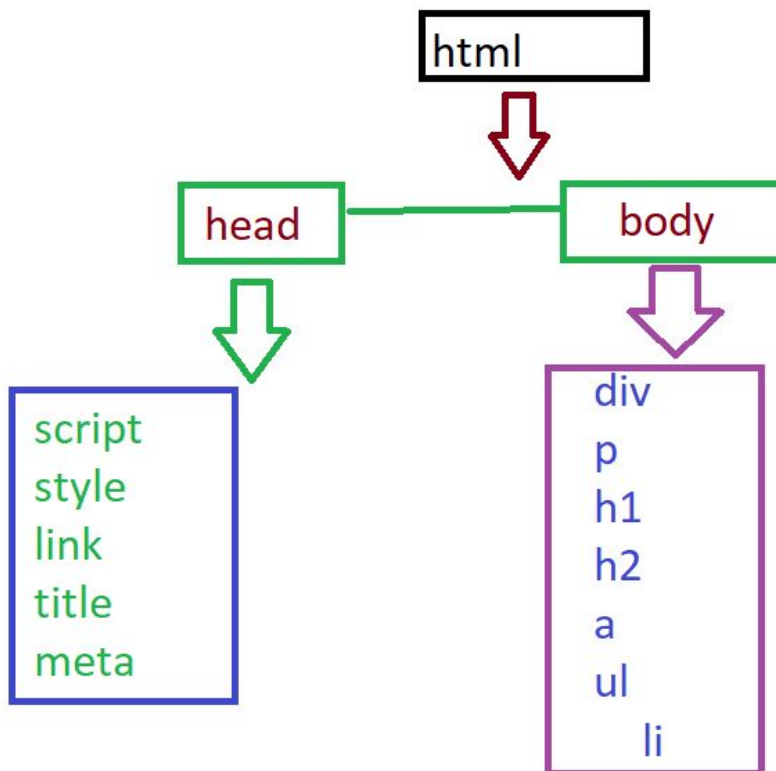
Animate using jquery

```html
<head>
    <title>jQuery Animate</title>
    <link rel="stylesheet" href="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/css/bootstrap.min.css"/>
    <script src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/jquery.min.js"></script>
    <script src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.css">
    <script type="text/javascript" src="jquery-ui-1.12.1/jquery-ui-1.12.1/jquery-ui.min.js"></script>
    <script type="text/javascript">
        $(document).ready(function(){
            $("#btnClick").click(function(){
                $("div").animate({right:'350px',height:'450px',width:'450px'});
            });
        });
    </script>
    <style type="text/css">
        div{
            background-color: lightblue;
            color: darkred;
            height: 250px;
            width: 250px;
            position: absolute;
        }
    </style>
</head>
<body>
    <button type="button" id="btnClick">Animate</button>
    <div>
        <h2>Hello</h2>
    </div>
</body>
```

DOM - Document Object Model

DOM defines the structure of HTML document and XML documents

```
┌─────────────────┐
│ html            │
└─────────────────┘
        ⇓
┌──────────┐       ┌──────────────┐
│ head     │───────│ body         │
└──────────┘       └──────────────┘
     ⇓                    ⇓
┌──────────┐       ┌──────────────┐
│ script   │       │ div          │
│ style    │       │ p            │
│ link     │       │ h1           │
│ title    │       │ h2           │
│ meta     │       │ a            │
└──────────┘       │ ul           │
                   │     li       │
                   └──────────────┘
```

Reading the contents by using jQuery

To get the content will use text(), html() and val()

```html
<!Doctype html>
<html>
    <head>
        <tilte>Get Contents</tilte>
        <script type="text/javascript" src="bootstrap-4.5.0-dist/bootstrap-4.5.0-dist/js/jquery.min.js"></script>
        <script type="text/javascript">
            $(document).ready(function(){
                $("#btnClick").click(function(){
                    var x = $('#txtUsername').val();
                    window.alert(x);
                });
            });
        </script>
    </head>
    <body>
        <input type="text" id="txtUsername" />
        <button type="button" id="btnClick">GetUsername</button>
    </body>
</html>
```