**PART A**

(Part A: TO BE REFFERED BY STUDENTS)

**Experiment No. 06**

**A.1 AIM:**

Implementation of JQUERY events, actions on selectors

**A.2 Pre requisite:**

Basic Knowledge of HTML and JavaScript

**A.3 Outcome:**

After successful completion of this experiment students will be able to:

1. Apply JQUERY actions like hide, show, fadetoggle, slide toggle on selectors

**A.4 Theory:**

jQuery is a JavaScript Library.

There are several ways to start using jQuery on your web site. You can:

Download the jQuery library from jQuery.com

Include jQuery from a CDN, like Google

jQuery Selectors

jQuery selectors allow you to select and manipulate HTML element(s).

jQuery selectors are used to "find" (or select) HTML elements based on their name, id, classes, types, attributes, values of attributes and much more. It's based on the existing CSS Selectors, and in addition, it has some own custom selectors.

All selectors in jQuery start with the dollar sign and parentheses: $().

jQuery Events:

|  |  |  |  |
| --- | --- | --- | --- |
| **Mouse Events** | **Keyboard Events** | **Form Events** | **Document/Window Events** |
| click | keypress | submit | load |
| dblclick | keydown | change | resize |
| mouseenter | keyup | focus | scroll |
| mouseleave |  | blur | unload |

jQuery Actions:

Hide, Show, Toggle, Slide, Fade, and Animate.

Example:

$("#hide").click(function(){  
  $("p").hide();  
});  
  
$("#show").click(function(){  
  $("p").show();  
});

Note jquery code to be written inside $(document).ready(function(){

**A.5 Procedure/Task:**

1. Write a jQuery program to hide a paragraph when a button is clicked and show it when clicked again.

2. Write a program where a div is hidden for 3 seconds before reappearing.

3. Create a program where hovering over a div causes it to gradually fade out, and removing the hover fades it back in.

4. Write a program that gradually fades out a div when a button is clicked and fades it back in after 2 seconds using .fadeIn() and .fadeOut().

5. Create a jQuery script that performs the following: clicking a button slides a div up and down using the .slideToggle() method.

6. Write a program to hide a paragraph with a fading effect and show it again after 3 seconds using .fadeToggle().

7. Write a program that animates the opacity and height of a div simultaneously using the .animate() method.

**PART B**

(PART B: TO BE COMPLETED BY STUDENTS)

(Students must submit the soft copy as per following segments within two hours of the practical. The soft copy must be uploaded on the Blackboard or emailed to the concerned lab in charge faculties at the end of the practical in case the there is no Black board access available)

|  |  |
| --- | --- |
| Roll No. : | Name: |
| Class : | Batch : |
| Date of Experiment : | Date/Time of Submission : |
| Grade : |  |

**B.1 Code:**

*(Paste your Code here)*

**B.2 Output**

*(Take screen shots of the output at run time and paste it here)*

**B.3 Conclusion:**

*(Students must write the conclusion as per the attainment of individual outcome listed above)*

**B.3 Observations and Learning:**

*(Students must write their observations and learnings as per the attainment of individual outcome listed above)*

**B.4 Question of Curiosity**

*(To be answered by student based on the practical performed and learning/observations)*

Q1. Why are validations necessary in HTML forms? Explain with suitable reason.

Q2. List down the different validators that can be used in an HTML form? Explain any three of them with script syntax and example.