Q1. Write a jQuery code that demonstrate the mouseOver and mouseOut event.

  a) The web page should have a hyperlink labeled "It shows the mouse events" and linked to "Hansraj college website"

  b) When the mouse is hovered over the link the background color of webpage changes to green and link text is changed to " I'm green now".

  c) When the mouse is taken away from the link the background color of webpage changes to red and the link text changes to " I'm red now".

> This example demonstrates the handling of onMouseOver and onMouseOut.
>
> Hansraj College

Q2. Write a jQuery script that demonstrate the following jQuery selectors and the corresponding filters too. [refer: page- 303 of R2]

  i)   Element selector (including first and last element)
  ii)   Class selector
  iii) Multiple element selector
  iv)   Id selector
  v)   Ancestor selectors
  vi)   Basic Filters: :first, :last,: even, :odd, :eq(index), :gt(index), :lt(index), :animated, :focus)
  vii) All element selector
  viii) Child filters [:nth-child(expr), :first-child, :last-child, :only-child]
  ix)   Visibility filters (:hidden, :visible)
  x)   Attribute filters: all

Q3. Write a jQuery script that demonstrate the use of following methods:

  i)   Getting ans setting the content of html page using .html(), .text(), replacedWith(), .remove(),
  ii)   .before(), .after(), .append(), .prepend(), .remove(), .add(),
  iii) . attr(), .removeAttr(), .addClass(), .removeClass()
  iv)   Ancestor methods- parent(), parents(), closest(),
  v)   Descendandant methods- find(), children()

vi)   Sibling methods – next(), children(), nextAll(), prev, prevAll(), nexUntil(0, prevUntil()

vii)   Form values : .val(), .isNumeric()

viii) Effects and animation :
   a. .hide(), .show(), .toggle() methods with calback function and time delay parameters
   b.   delay(), stop(0, animate(), fadeIn(), fadeout(), fadeTo(), fadeToggle()
   c. slideIn(), slideOut(), slideToggle()

Q4. Demonstrate various events : blur, change, focus, selct, cick, dblClick, submit.

Q5. Write a JavaScript function that accept row, column, (to identify a particular cell) and a string to update the content of that cell.

Q6. Write a JavaScript function to get the month name from a particular date.

Q7. Write a javascript that demonstrate the extraction of various elements from Date() methods.

Q8. Write a javaScript that demonstrate the function, function expression, and the IIFE definition and invocation.

Q9. Demonstrate the creation and manipulation on array using array methods.

Q10. Demonstrate the method chaining in jQuery.

Q11. Demonstrate the use of .on() method

Q12. This assignment is a three part assignment:

Part I:Create a javascript object called "Client" with the following String attributes:

   o   First Name
   o   Last Name
   o   Address
   o   City
   o   Phone

Your object should have a constructor that accepts all of the attributes. Then you need to create an html form that accepts all the data for a client. You need to create a client object. Assign values to object's properties after you change focus to next textbox after filling the current one.

Part II: You will add additional features to your form allowing it to accept input from a user.

- Name all form elements appropriately, i.e. <input type="text" name="fname"/>
- Name your html form "form1"
- Name your textarea "clientInfo"
- Give your button the label "Get Info".
- Add event handling so that when a user types data into a form field, then moves off the field, the data is set in the client object.
- **Add event handling to the form's button so that when the "Get Info" button is clicked on the data in the client object is output into the form's textarea, "clientInfo" .**

Q13. Write a JQuery function to test whether a date is a weekend.

Q14. Use a function expression to count the number of vowels in a given string.

Q15. Write a JavaScript function to add rows to a table.

Q16. Write a JavaScript program to search a date within a string.

Q17. Print the largest of three numbers using javasript. The numbers to be entered through textboxes and result should be printed below the "Find Largest" button.

Q18. Read n numbers. Count the number of negative numbers, positive

numbers and zeros in the list.