JQuery

Class notes

By Mr. **Narasimha** sir



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S 9951596199





JQuery

> what is genery?

- -> Jouery is a Javascript library.
- -> It is used to perform all Kinds of client side activities
- -> It simplifies javascript programming
- > It provides built in methods to perform all types of clientside activities
- → Jovery can be integrated with any serverside technologies like. Jsp. Asp. Asp. net f. Asp. Net mvc.

Note: jouery was developed & created by JohnResig"

- → Compare with other client side libraries jouery in most popular Is library.
- Javery in Opensource" library. Any one can download & integrate with their technology.

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> How to integrate jovery in webpages?

- Download jouery library from www.jouery.com website.
 filename: jouery-1.11-3. min. is.
- a) Integrate with a webpage by using <script> tag: <script: scr="iQuery-1-11.3min.js"> <script: scr="iQuery-1-11.3min.js"> <1script>
- 3) Write the client side code. Using jovery with another script tag.
 <Script>
 // Il required code

 </p

=> Jouery features:

- -> jouery in a javascript library. It provides built-in function to perform clientpide operations.
- -> These functions will be used based on the required feature that you would to use for the requirement.
- -> jourry provides the following features.
 - 1) DOM Traversing: (Document Object Model)
 - -> Dom Traverping feature in used to access html elements at runtimes
 - -> So, that we can perform required operation.
 - → jQuery provides different operations to implement Dom Traverying:

 [Selectors, each (), eq()].

2) DOM Manipulations: (Document Object Model)

- → we can update the DOM elements at run-time based on the requirement.
- -> Bis Adding additional roups to table. Removing Hems from
- Jo persform these manipulations squery provides pre-defined functions.

frat append(), remove (), empty ().

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3) Event Houdling 7-

- -> Similar to javascript we can handle all the events in jouery
- In squery, we can handle the events by using either named functions & unnamed functions.
- → Squery provides some additional events that are not exists in gavascoopt

But ready, success, error

→ Host of the events are same as javascript.

Ext: click, Change, focus, blur, elc.,

MINIS

4) Jouery Styles :-

- -> Dynamic styles in web pages can be implemented using javascript
- -> Instead of writing manual javascript code, javery providers readymade methods to perform dynamic styles.
- > we can easy to do this task with joquery. methods.

5) Animations in JQuery

- -> Sovery allows to apply animations on any html element
- -> Animation in a concept to change the behaviour of an object from one state to another state in the given interval of time.
- -> Jouery library provides a method alled "animatic" to implement animation.
- → we can apply animation on different styles properties like size, popition, etc.,

6) Jouery effects:

- -> lu order to apply different types of effects on himi elements, sourcey provides pre-defined methods.
- -> Du order to core squery, we can apply slidling effects, fading effects etc
- -> Jackery-UI provides more than 10 effects to apply on htm) elements.

mothod: effect().

7) Lightweight Is Library:

- Javery library is available in two different sizes.
 - a) compressed
 - b) uncompressed

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- a) -compressed one is used to deployment/ hosting purpose so, that browser will easily download the file from server.
 - -> comprend file is very less size due to this downloading from server, loading in browser memory & execution will be faite.

 file size 19:94KB.

8) CSS3 Complaint :-

- -> Jauery supports all verpions of cas properties.
 - -> It includes old Vergion & latest vergion of CSS. (CSS3)
 - -> we can use csss style properties also in jouery methods.

9) Cross Browser :-

- Jauery Library in browser Endependent.
- -> It means it will works in all brougers.
- journy will take are execution of the code based on Browser.
- -> It supports all browsers: IE, Chrome, firefor, Opera etc.,

10) Jauery n Extendable 1-

- -> javery is open source to that anyone can use
- -> SQuery is more comfortable to exitend and additional features by third party developers.
- → These features are consider as jouery plug-in's.
- > we can find so many squery plug-in'x in internet.

Emt Image stid show plugin Zooming plugin Validation plugin



Java Script

- → Javascript is a scripting language used for client side programming in webpages.
- -> Javascript is light weight programming lauguage.
- -> Javascript in case sensitive.
- -> control structures and operators are same as c/c#/ Java languages.
- -> Tava script is used to perform following operations:
 - -> To perform client side Validations.
 - -> To perform clientside dynamic operations.
 - -> clientpide calculations.
 - -> To control the behaviour of html elements
 - -> To implement Ajan technology.

Javascript Programming:

- -> we should understand the following important rules / points to develop Tavascript programs.
 - 1) Include Javascript in web page.
 - -> we can include the Javascript in webpage either directly (01) indirectly.

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Endirectly (Fatural file);
< script type = "text) javascript" Src = "text." >
< 150 pt7

Note: < script > tag can be add in any Section of html document .(either head (or) body).

S) Creating Variables !-

- -> Java script Variables are declare with "nor" keyword.
- -> These type of Variables are called Dynamic typing Variables.
- -> It will change the behaviour based on the value that we stored in it.

Examples 1

Var 214,3; Var 2=100; Var st="Hello world"; Var ar-[10,20,30];

Var obj= { 3%

3) Numeric conversions:

- -> By default all html controls returns the Value in string formal.
- -> To perform numeric operations use need convert string formatted data into numeric data:
- -> Java script contain towo built in functions to do this conveysation.
 - 1) parpe Ent ()
 - 2) parpe Float ()

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En: Var alyla;

n= parpe Int (obj1-Value); reference of TentBox1

y= parpe Int (obj2-Value); reference of TentBox2.

H) Accessing reference of him elements -

- → we can get the reference of any html element by using "document" object
- > "get Element By Id" is function of document object.

wage:
document get Element By 2d ("Id of html element");

Note: we can get the reference, we can accen the details of the element like value, tent, attributer ete.

- 5) Creating functions in Javascript!
 - → If you won't the code in script tag, it will execute only at the time of page load.
 - → If you prepare the code using functions, that can execute whenever we need.

Synton: function th-name ([args]) 2

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Note: No need-to mentioned return type garguments type..

Tust provide required Arguements. Return statement can be include in function it required.

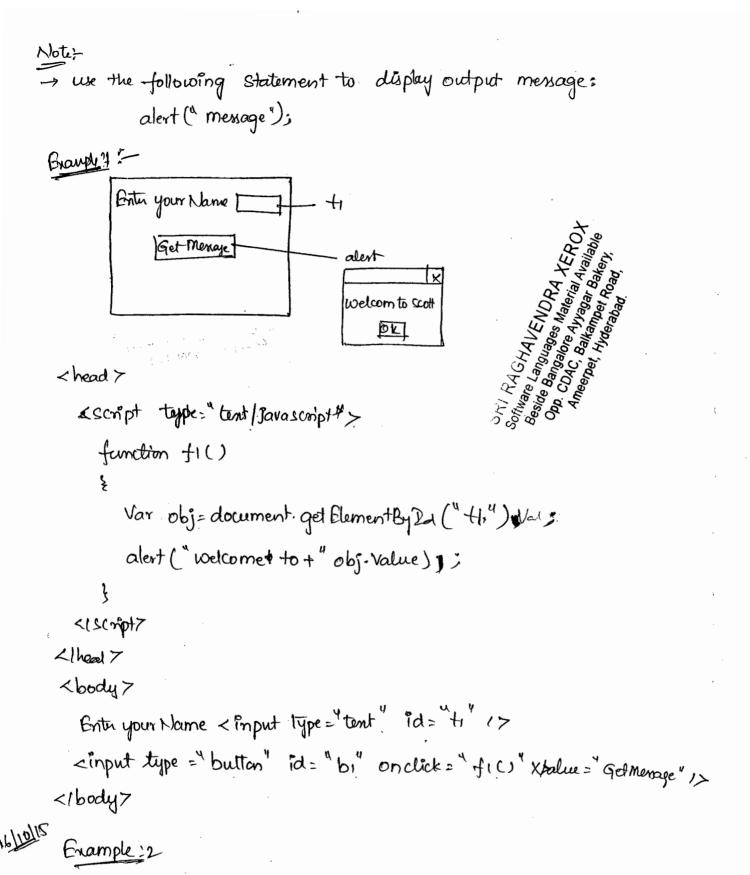
6) Event Handling !_

- -> All Himl elements supports events.
- > we can handle these events by using Javascript functions.

Description	ttfm1 event
page Load	onload
Button click	onclick
Mouse over	on mouse over
mouse out	. on mouseout
curperenter	on focus
Curped leave	on blur.

-> we can invoke the Javascript functions using these events.

- 1) 2 input type="Button" id="b" onclick="f1()"/>
- 2) < body onload = "f(c)"/>



Java script Demo

Britayour None Sathyn

Get-menage

welcome To Sathyn.

```
<html>
     <head >
       ascript >
           function fic)
            Var obj: do current get Element By 2d ("+1");
            Var spobj = document get Element By 2d ("spi");
            Spobj. Inner HTML = "Welcome To < U> "+ obj. Value + </ u>
      <15cmpt>
     <1head>
     <body>
       <hI> Javascript Demoi </hi>
        <hr>>
       Enter your Name < input type="text" id="ti" > <br></br>
       L'imput type = "button" id = "bi" onclick = "fil) Value = "getmesage" 1>
        <br > < lbr >
       < span 2 = "sp11>
    <1 body >
                                       SRI RAGHAVENDRA XEROX
  <1htm1>
                                       Software Languages Material Available
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                                          Opp. CDAC, Balkampet Road,
                                            Ameerpet, Hyderabad.
Example 3:
                  Enter First Number
                 Enter Second Number
                  Result is :
```

<html7
<head>
<Script>
function H()

```
Var obj 1 = document. get Blement By 2d ("+1");
     Var obj 2 = document-get Element By 2d (4 +24);
     Var == parpelnt (objl-Value) + parpelnt(obj2-Value);
     Var spobj 2 document get Element By 2d ("SPI");
     Spobj. Corner HTML = "Result is "+ Z ,
  <1 Schot>
<body7
   Entr-Propti Number < Imput type: "tent" ldz"+1" 1> <br></br>
  Enter Second Number < imput type="text" |d="t2" 1> xbr7<1br7
   Emput type="button" id="b" Value="Add" pnClick="f10"1> <b7><167>
   LSpan ldz Spi >>
                                               SRI RAGHAVENDRA XEROX
 <1body>
                                               Software Languages Material Available
                                                 Beside Bangalore Ayyagar Bakery,
KIHMIZ
                                                  Opp. CDAC, Balkampet Road,
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Example: 4:
              Entu first Number
               Enter Second Number
                                  Subtract
                                  Division
                 Multiply
              operation: Addition
                                      Rult: 80
  < htm 1>
    < head >
```

く script>

Function fradd ()

Var obj1: document get Plement By Rd ("+") 5

Var obj 22 document, get Element By 2d (" +2");

```
Var Z = parpe Int (obj1-Value) + parpelnt (obj2-value);
Var spohil = document. get Element by 2d ('spi');
Var spobj2=document get Element By 2d ("sp2");
 Spobs 1- Ennertent = operation: + bot Value ;
 Spobs 2- Enner HTML= " Result is 5" + 2"
function frosub
Var obj 12 document get flement By 2d ("ti");
Var ob 2 = document get Clement By 2d ("t2");
Var z = parpe Int (obj1-Value) 7 parpe Int (obj 2-Value);
Var spobil = document-get Element By Rd ("spi");
 Var spobj2=document, get Flement By 2d ("spr");
spobil - Inner ford = operation: + be value subtraction :
Spoby 2. Priner HTML="Result in: "+2;
 function frmul()
  Vor obj! = document, get Element By 2d ("+1");
  Var objez document, get Element Byld ( tr);
  Var zz parselnt (obj1-Value) * parselut (obj2-Value);
  Var spobj1 - document get Element By ld (1sp1);
   Var spobje=document, get Glement By Id ("spz");
   Spobil finner tent à operation: " La Multiply";
  Spobpe= inner HTML 2 Result in; + 2;
 Y
                           SRI RAGHAVENDRA XEROX
```

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< body?

Enter first Number < input type = "tent" id="t1" 1> < br>
Enter Second Number < input type = "tent" id= "t2" 1> < br>
<input type = "button" id="b1" Value="Add" on Click= YnfAd()" 1> < dbr></br>
<input type = "button" id="b2" Value="Sub" on Click="fn Sub" /> < br>
<input type = "button" id="b2" Value="Sub" on Click="fn Sub" /> < br>

```
<!nput type: "button"</pre>
                           Pd="b3" Value="multiply" on Click="formulo">
   ∠br><1br>
 < Proput type = button " id = bu Value = Dinipion" on Click = fn Dive"/>
    xb7><1b7>
   < Span id="Sp1"/>
   < Span "d="Sp2" 17
                                     SRI RAGHAVENDRA XEROX
                                     Software Languages Material Available
 <1body>
                                      Beside Bangalore Ayyagar Bakery,
                                       Opp. CDAC, Balkampet Road,
<1html>
                                         Ameerpet, Hyderabad.
< bead >
    <SCnpt >
      function for Div()
       Var obj 1 = document.getElementBy 2d ("+1");
       Varoby 2 = documents get Clement By 2d ("tr");
       Var 22 parpelut (obstevalue) = parpelut (obstvalue);
       Var spobj1 = document, get Element By 2d ("Sp1");
       Var spobje: document. get Element By 2d ("sp2");
        Spobil. Inner Division"; Operation: Division";
        Spobj 2. innro HTML 2" Result is: "+ 2;
    <1 script>

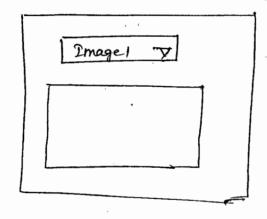
Klheal >
 Frample 5: (Same example)
  <htm>>
    <head>
      25cmpt>
          function fn-demo3 (arg)
```

```
Var obj1=document.get Blement By 2d ("+1");
     Var obj2=document-get Element By 2d ( 124);
     Var n = parpelut (obj1-Value);
     Var y = parpedut(obj2·Value);
     Var 2 20;
     Switch (arg)
        Case "add" ; 2= x+y;
                       break;
       Case 4 sub" = 7 = x - 4;
        Case "mul" : Z= 2 A y;
                     break?
        Care udiv 1 + = x/y:
                    break,
     B
     Var spobs = document- get Element By 2d ( spi );
     Spobj. inner HTML = operation: + arg.
     Spobjinner HTML Extraposult is + 2;
  <1Script>
 </head>
  < body>
    Enter First Number < input type="tent" |d2"+1">
    Enter second Number Limput type = "tent" id = "tz"/>
   < Enput type="button" rd="b" Value="Add" Onclick = "fn-demo 3 (add')" 1>
   <input type="butten" id="b>" Value = Subtract" onchick = fn-demo3("sub") />
   <mput type = button 'd= b3 Value = multiply onclick = fn-demo3 ("mul")"/>
   Zimput typez "button" id= bu' Value= Division' on Click= fn-demo3("Div")"/>
    Lspan id="spi" >
 <1 bodys
<14ml>
```

Tank)

Product Name
Quantity
unit Price
[CIPII]
Total 10.5 So Grown what
En Green color

17/10/15 → Enample 6:



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3 <1script> <1head>

<body>

Select Image: < select id = "List" on Change = "In-demotio" >

```
<option> Image 1</option>
         < option > 2 mage 2 </ option>
         <option> Imags <1 option>
      <1select>
        <br></br>
      < "mg src="Images/Pmg1-JPg" id="Pmg1".
              height= 200 px Width= 400 px Boarder= 4241>
    11body>
   7h+m1>
=> Enample 7!
                         Green.
                                                     Green
                                                      Red
                  Welcome To Sathya Technologies
                                                      Blur
                                                     Yellow
                                                     Black
                                                     Orange.
    Chlm1>
                                             SRI RAGHAVENDRA XERUA
     <head>
                                             Software Languages Material Available
                                               Beside Bangalore Ayyagar Bakery,
        <SCnp+7
                                                Opp. CDAC, Balkampet Road,
                                                   Ameerpet, Hyderabad.
          function fn-demos()
            Var objedocument. get Element By 2d (" West 1");
             Var obj! = document = get Element By Id (" hi");
          11 Var obj2 = document get Elenid By 2d (
       obs 1. Style-color= obs-value;
     <1 Sconpt>
  Klheads
```

```
< body>
       Select Color: < Select id = lipt on Change = fn-demo 509>
                     <options> Green </options>
                     <options > Red < lophion >
                      <option> Blue < loption>
                     <options > Yellow <10ption>
                      Loption > Black < 10ption>
                   <1select> <br> <br> <br ></br>
              Welcome To Sathya Technologies
                                                                       <1h1>
    Llbody>
  11html
> Frample: 8:
                                        Centr
                                                 Sustifi
     <html>
       <head>
```

head>
<slyle>
.fmg

{
 boarder: Ipn Solid Gray;
 height: 50 pn;
 weight: 50 pn;

}

boarder: 2 pn Solid Blue;
 padding: 15 pn;

<Istyle>

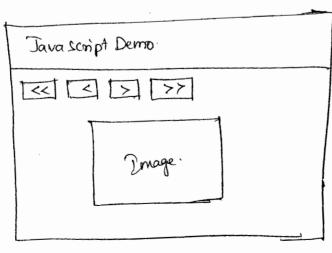
```
< 50 mg/ >
              function to-demob (Str)
                 ş
                       Var obj=document.get BlementBy 2d ("p1");
                         obj. style . teat-Align = str;
         <1ccmpt>
 </head>
 <body>
         prog onclick: fn-demo6('left') ' sonc="left-prog' &
          <inag onclick = fn-demo 6 (Right!) crc= Right.png 1>
           <img onclick = fn-demo 6 (couter') src = center.png"/>
            fmg onClick: fn-demo6( fustify') src="fustify.png"/>
            <br />
<b
                                       Pd=4p1" > This is tent paragraph to Change the tent-Alignment at runtime <1A>
    <1body>
<1html>
                                                                                                                                                                          SRI RAGHAVENDRA XEROX
```

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Tank! on mouse over.

19/10/15

=> Frample : 9!



```
<htm>>
 <head>
   <script>
      Var n=1
      function fly
                      11 Next Emage
       if(n==7)
        ٤
          n= 03
         n=n+19
    Var obj = document; get Element By 2d (" ing ");
    string strz "Images | Pmage + n + " jpg";
    obj. src = str;
    function f2() 11 prev. Image.
                                       SRI RAGHAVENDRA XEROX
      if(n==1)
                                        Software Languages Material Available
                                         Beside Bangalore Ayyagar Bakery,
                                           Opp. CDAC, Balkampet Road,
        n=75
                                              Ameerpet, Hyderabad.
         SRI RAGHAVENDRA XEROX
    Var obj = document-get Element ByRd ("ing,");
    string str=" imager \ image" + n + - jpg";
    obj. sex= str;
    function f3() Ufirst image
   ۶
      n=1;
   Var obj= document. get Elemently 2d ("ing 1");
  string str= "fmagen/fmage"+n+"-jpg"
  object = str.
  z
```

```
function ful) 11 (ast lunge.
      ۶
          りつけが
       Var obj = document, get Flement By Rd ("ing,");
       Storg Str= "images \"image "+ n + "- Jpg";
       object = str;
                                       SRI RAGHAVENDRA XEROX
   21Scn ptz
                                       Software Languages Material Available
                                         Beside Bangalore Ayyagar Bakery,
  <1 head>
                                          Opp. CDAC, Balkampet Road,
                                             Ameerpet, Hyderabad.
  <br/>
Lbody>
      <h1> Javascript Demo </h1>
                                       onclick = fac)
       < h~1>
                                       ere: "imager Timoget Jpg"> << <1 Button>
       < Button Frite = "first Pringe"
                                        onclick = fro
       < Button title = "Prev Image"
                                       Sec " "magar/image+ jpg" > < < 1 Button 7
       < Button title z' Next Emage"
                                      on Click = 4f3c) >> <1 Button>
       2 Button title = " last Emage"
                                      onclick = fu() >> < 1 Button>
       <br>></br>
        < îng i'd z' îngi src z îmages) îmage 1- jpg helghtz 200 pr , widthz 200 pr
                                           boarder=1241>
   </bodys
 <1hm/2
=> Example 10 -> Timer Example >-
     2htm1>
       <head>
         < 50 npt>
            Var n=13
           function for-update()
              (f(n==7)
               n= n+1 5
```

```
Varobj: document get Element By Id ("ing");
   string str = "Pmages/Pmage "+n+"-5pg";
    obj. src = str;
     Var timerobi;
   function for start ()
     timerobj = set Enterval (tn-update, 1000);
     function fn-stope)
                                       SRI RAGHAVENDRA XEROX
                                        Software Languages Material Available
                                          Beside Bangalore Ayyagar Bakery,
       timerobj = clearInterval();
                                           Opp. CDAC, Balkampet Road,
                                              Ameerpet, Hyderabad.
 くしくことの piz
<1 head>
<br/>body>
    2h17 Javascript Timer Grample <1h1>
     < hr 1>
             on Click = "fn_start()" > start </ Button>
     < Button
             on Click: " In-Stop ()4 > Stop (/ Bulton>
     <br >
    < ling id="ing" src="images image 1- jpg" beight="200pr" width="200pr"</p>
                                                   boarder = 4241>
  <160dy>
</html>
```

Cascading Style Sheets (ess) in web Development

> By default all the html tags does not support aftributes to change its appearance (Background color, foreground color, etc...)

Ent < h1> tag does not support all in builts to change Background.

- -> To overcome these practical problems, css concept was introduced.
- -> css stands for casading Style Sheets.
- -> By using css, we can apply any required appearances to all history tags.
- > In css, there is no restriction on applying styles to him elements.

> Implementing of css:

- -> we can implement ass concept at three different levels
 - 1. Tag Level (Poline)
 - 2- Page Level (Pinternal)
 - 3-Project level (External)

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1) Tag Level: -

- In taglevel styles implementation, we are using "style" attribute.
- → "style" attribute can be applicable for all html tags.

Ext

<h1 style="color: Blue"> welcome <1h1>

2) Page Level:

- -> If you want to apply same styles for multiple tags in the page, we can use page level styles.
- → Page level styles are implemented using < style > tog

```
-> <style> tago is defined within <head> tago
       Example :-
       <head>
         <style>
              Color: Blue;
              Background - Color: Pink;
                                          SRI RAGHAVENDRA XEROX
         <1 Style 7
                                           Software Languages Material Available
                                            Beside Bangalore Ayyagar Bakery,
       <1 head>
                                              Opp. CDAC, Balkampet Road,
                                                Ameerpet, Hyderabad.
  3) Project Level:
   -> If you want to apply same styles for multiple pages in the website,
       you can use "Project level' styles.
    -, Project level styles are implemented by using a seperate file C*-css).
    -> To refer the * css file from html pages, we can use < link> tag-
        Ent / Kink href="Mystylin css" rel= "Stylished" 1>
      Note: we can use same tog from ASPX/CSHTML, * JSP, * php etc.,
       files also in order to refer *.cs file.
     - Major advantages of Project level styls:
         1) Remability across multiple web pages.
         2) Modifications will be more causer-
> Defining stylus-
     - we can define the styly in css in three ways.
           1. Tag name based.
          2. Clan name based, (.)
          3. 20 based. (#)
```

1) Tag Name Based!

- -> By default CSS will consider as tagname based.
- -> In this option we are specify the tagname at the time of defining states.

en- hi, span, p, table etc,

2) Clan Name Based:-

- → If you want to apply stylu for specific set of him elements, then we can use this option.
- -> first we have to provide class name for togs using "class" attributes.

-> Then we can define the styles based on class name.

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3) 20 Based:

- → It is used to apply styles for specific element
- -> provide the "id" for him element, then define the style boused on id.

-> Example to applying css styly to him webpage

```
<html>
  <head>
    < style>
      hI
      ş
        background - color; Green;
        color : white;
      · RedClan
         border: 2 pa solid Red;
        background - color & Pink;
         eolor: Red;
      ع
       · Blue Clan
         border: 2px solid Blue;
         background - color: Light Blue;
         Color: Dark Blue;
       ţ
       #img1
          border: 2 pr solid Red;
         height: 180 pa;
         width : 300 pro
         padding: 5px;
         border-radius: 50 px;
     <15tyw
  < I head>
```

```
<br/>
<hi>css DEMO <1hi>
<hi>css DEMO <1hi>
<hi>chi>css DEMO <1hi>
<hi>chi>css DEMO <1hi>
<hi>chi>css DEMO <1hi>
<hi>chi>css DEMO <1hi>
<hi>chi > This is test paragraph <1P>
<P class="Blue Class"> This is Test Paragraph <1P>
<br/>
<br/>
<br/>
<br/>
<ing id="ing" crc="Image 1-jPg" />
<br/>
<ing id="ing" crc="Image 1-jPg" />
<br/>
<br/>
<br/>
<br/>
<span style="color: Blue; border: 2px solid Green; padding: 10pxs">
<br/>
css DEMO Web Page . Hello World
</span>
```

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26/10/15

=> Developing Webpages using jouery:

- -> journy is a Brascript Library.
- -> Clsing jouery we can perform all clientpide activities.
- → jouery library can be downloaded from below website.

 www.jouery.com.

file: jouery_1.11.3.min.js.

Note: Dounload & import the above file in your webpage... by using <script> tag.

fizh <script src = "jouery-1-11.3 min.js' > </script>

```
Ent <1 -- creating a webpage to display a welcome message
                                             using squery - ->
            <html>
                  <head>
                           <script Src="jauery-1.11.3.min.js"> <15cript>
                           <scnpt>
                                    function fil)
                                          $ ("# sp1")-tent ( welcome to gavery programming");
                                    ě
                                                                                                                                                                              SRI RAGHAVENDRA KEROX
                            ZISCRPTZ
                                                                                                                                                                               Software Languages Material Available
                                                                                                                                                                                   Beside Bangalore Ayyagar Bakery,
                    </head>
                                                                                                                                                                                       Opp. CDAC, Balkampet Road,
                  Lbody>
                                                                                                                                                                                               Ameerpet, Hyderabad.
                      <h > JQuery Progression Demo 
/ Land Demo 
                         <hr17
                          <input type="button" id="b1" Value="Get Menage"</pre>
                                                                                       ondick=fil)'/>
                             <br > 
                          KSpan id="sp1" > <1span>
                           </body>
                  <1html>
by> <1, -- creating a webpage to display a message using ready
                        event of squery ---7
           <html>
                  <head 7</pre>
                        <SCript Src='squery-1-11-3-minojs'> <1script>
                       <SCMpt7
                              $ (document). ready
```

```
function ()
     alert ("welcome to ready event") i
     $ ("# spi"). text ( welcome to ready event in jouery programming");
 ) 5
<15cmpt7

thead >
< body >
  <h17 jauery Ready event Demo <1h17</p>
    <hr1>
   <<pre><<pre><<pre><<pre><<pre><<pre>
 <160dy>
                                   SRI RAGHAVENDRA XEROX
                                   Software Languages Material Available
<1htm1>
                                    Beside Bangalore Ayyagar Bakery,
                                     Opp. CDAC, Balkampet Road,
Note:
                                        Ameerpet, Hyderabad.
1) $ (document) ready ();
 $ : The $ (doller) jouery function. jouery function is called as
      factory function. which is used to refer all him elements
      in clientside programming.
 -> Every statement in Jauery starts with Jauery function.
  -> $ in the shortcut notation of jouery function.
            (e) $() (00) Squery()
 -> document: - It is a predefined object in Javascript.
     jouery user this object, in order to execute "ready" event.
```

-> It is a jouery event that will be fired, after all the

document elements are ready.

-> ready():

- -> To subscribe this event, we have to pass a function that should execute, when the event is firing.
- -> we can subscribe the events in 2 ways.
 - 1) By using named function
 \$ (document) ready (f1);
 function f1()

 {
 1 function body.
 - 2) By using un-Named / Arranymous functions
 - (i) \$ (document). ready (
 function ()

 I was Language

 Beside Bangaiore

 Opp. CDAC, Beside

 Ameripat. In various of

 (i)

(ii) Standard: \$ (document). ready (function())

{
11 Body

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Ameerpet, Hyderabad.

> \$ ("# spi") - tent ()

- → The Above statement in a javery selector to access the reference of the span tag, based on id.
- tent():- It is govern function/method used to get (or) set tent belongs to him! tags (except him! controls).

27/10/18

⇒ JQuery Selectors!

- -> jourry selectors are used to get the reference of html elements
- -> once we get the reference, we can apply / perform required operations.
- → \$ ("string") in referred as jouery selector.
- > It provides several options to select him elements based on our requirement.
- → Before applying any operation on him tags, first we need to select with jouery selector.

Chage of Jovery Selectors

- -> we can select the html tags based on its attributes (00) tag name.
- -> jourry selectors are implemented based on the following options.

1) Tag based

-> Get the hom! elements based on the tag name.

Similar & ("tagname")

\$ ("div")

\$ ('P')

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2) Clan Based

- -> Get the html elements based on the clan name.
- -> "class" in one of the attributes of html tags.
- -> "class" attributes is available for all html tags.
- -> It is the used to group more than one hom elements

Symbon: \$("-className")

Eyr \$ (". class!") \$ (". myclass")

3) FD Bared

→ If you want to select specific element, you can select based on id-

4) Select all elements

-> use "k" to Select all elements.

5) Select multiple elements

→ If you want to Select multiple items, specific names by seperating with ",".

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6) Selecting document

-> All javery codes with placed with in document selector.

7) current Item Selection

 \rightarrow To select current element, we can $\frac{1}{5}$ (this) selector.

```
=> Example -
    <1. -- Create a webpage to perform sum operation using squery
     <html>
       < head >
         <script src=" jouery-1.11,3.min.js"> <1script>
         < script >
            $ (document), ready (function ()
               $("#bi"). Click (function ()
                  Var x= $ ("#tj") - Val () > 11 get
                  Var y= $ ("# t2"). Val (); 11 get
                  Var = parpernt (x) + parpernt (y);
                   $ (#13") · Val (=); 11 set
                દુ ( હૃ
                                          SRI RAGHAVENDRA XEROX
                                          Software Languages Material Available
                                           Beside Bangalore Ayyagar Bakery,
         215cmpt>
                                             Opp. CDAC, Balkampet Road,
                                               Ameerpet, Hyderabad.
       <1 head>
       <body>
         < hiz jauery selectors < 1 hiz
         <hr></hr>
         Enter first Number : < input type = "tent" id="ti" /> < br></r>
         Enter Second Number: < Emput type = "tent" id = "t2" 1> < b>><1 b>>
         Result < input type = "tent" id = "t3" readonly = "true" 1> < br> < 16 r>
         <input type="button" id="b" Value="sum"/>
       <1 body >
      <1html>
```

-> Methods to get | set the content of html elements

1) Val ()

→ Val() method is used to get) Set Value of html controls like tentBox, password, checkBox etc.,

usage:-

Var x=\$("# tent"). Val(); \$("# tent1"). Val("Hello");

2) tent ()

> This function is used to get | set data from content tags like<P>> <h1>, , etc --.

susage!-

Var str = \$ (" P1")- tent (); \$ ("# P1"). tent ("Hello World");

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3) htm()

→ If you want set/get the tent with html tags involvement, then you can use htmlU.

mage :-

Vor Str = \$("# P1"). htm)();
\$ ("# P1"). htm1 (" <u>> Hello World -</u>!);

4) attr ()

-> By using this function we can get/set any attribute value.

Var str = \$ ("hi").attr("align"); \$("hi")-attr("align", "center");

```
Example !-
  <-- Create a webpage to display total amount based on unit price & quantity
               using squery
         <html>
              <head >
                                                src= jquery-1.11.3-min.js1> <15cmpt>
                        <SCNPt >
                                 $ (document). ready (function ()
                                         $ ("# b1"). click (function )
                                                 Var S1= $ ("#pname"). Val ();
                                                 $ ("# sp 1") - tent (" Product Name =" + SPI)
                                                Var ~= $ ("#uprsce"). Val();
                                                Var 4= $ ("#aty") - Val ();
                                         Var z= parpednt (x) * parpednt (y);
                                           $ ("#SP2") . html ("<u>> Result: "+ = + "<14>");
                                                                                                                                                  SRI RAGHAVENDRA XEROX
                        <15Cmpt>
                                                                                                                                                   Software Languages Material Available
                                                                                                                                                       Beside Bangalore Ayyagar Bakery,
                 </head>
                                                                                                                                                           Opp. CDAC, Balkampet Road,
                                                                                                                                                                   Ameerpet, Hyderabad.
                     Sody
                              <hi>> Product Details <1h1>
                             くかかくりか>
                             Product Name < input type - "tent" id- "pname" 1> < b>> < b>> < lb>>
                              count Price < imput type="tent" id="uprice 41> < br></br>
                               Total quantity < "mput type = "tent" id = "cpty" 1> <br>
// LIbr>
                               <button "d="b1" > Get Total < 1 button >
                               <span id=Spi e> <br> <br/> <br
                                                        "id = "sp>" #> < < (span>
                        <1body>
                  </h
```

```
<htm>>
 < head>
    <script Src="joueny-1.11.3.min.js"> <15cmpt>
    <script >
      $ (document) - ready (function ()
          $(".c1"). click (function ()
             Var n= $ ("#ti"). Val () >
                                                       SRI RAGHAVENDRA XEROX
Software Languages Material Available
             Var y= $ ("#t2"). val ();
             Nar 2 = 0; Var op = $ (+his) - Val ();
             Switch (OP)
            £
               case "+":
               == parpelnt(x) + parpelnt(Y);
                break;
               Case - 4;
               2 = parpednta) # parpednt(y);
                break;
               case "k";
              == parpe Int (a) * pareInt (y);
               break;
             Case "/";
              == parpdut(x)/parpedut(y);
           ५
         $ ("# t3") · Val (2);
```

```
<head>
<body>
<h1> jQuery selectors <1h1>
<hr> <hr> <1hr>
<hr> <1hr>
Enter firpt Number <input type</pre>
Enter Second Number <input type</pre>
Result <input type = tent id = "</pre>
```

Enter First Number <input type="tent" id="+1" />

Enter Second Number <input type="tent" id="12"/>

Result <input type="tent" id="13"/>

Veadonly="true"

<input type="button" clan="c1" id="b1" value="+"/>
<input type="button" clan="c1" id="b2" value="-"/>
<input type="button" clan="c1" id="b2" value="*"/>
<input type="button" clan="c1" id="b2" value="*"/>
<input type="button" clan="c1" id="b4" value="1"/>
<input type="button" clan="c1" id="b4" value="1"/>

<1body>

Hespect to agriculture of the second of the Control of the Control

\$ ("TagName") \$ ("#Id")

\$ (4. clan Namea)

\$ (they)

\$ (document)

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adio hs

Styles in jouery:

-> stylu in jovery+

- Applying styles to Hml elements using squery is one of the frequently required task.
- -> J'Query provides special methods to apply styles at runtime
- -> These methods supports all versions of css properties.

Methods:

- css ("property", "Value") Single property.

 css ({property: Value, property: Value }) Multiple property.
- 2) add Class ("class Name")
- 3) remove Class ("classname") 4) toggle Class ("classname")

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1) CSS() - Single Property

-> By using this method we can get/set the style property Values.

syntan: \$ (selector) - css ("prop");

Ent var str = \$ ("# PI") . css ("color");

syntams \$ (selector) - css ("prop", "Value");

Frais \$ (#PI") - css ("color", "blue");

```
css() - Multiple properties
     -> we can set muttiple properties using this method.
                  $ ( selector). css ( & prop'; value", "prop": "Value" });
        fr: $ ("#div 1") - css ({ "color": "blue", "background-color": "Red" });
   Examples
    <1 -- Create a webpage to change the background color based on,
         focus | blur event using jouery -->
    < htm 1>
      < head>
       <script src="jouery-1-11-3-min-js" > <15cript>
        < script>
          $ (document) ready (function ()
            $ (".c1") focus (function)
               $ (this) - css ("background - color", "pink");
             3)
          $ ("·ci"). blux (function()
               $ (this). css ("background-color", "white");
           4);
                                           SRI RAGHAVENDRA XEROX
       <1 scoipt>
                                           Software Languages Material Available
     </head>
                                            Beside Bangalore Ayyagar Bakery,
                                              Opp. CDAC, Balkampet Road,
     < body>
                                                Ameerpet, Hyderabad.
      < hi> Styles in Jaunery < 141>
       < h~1>
     firstName < input type= "tent" clas = "c1"/> <br> < 16>>
     last Name <input lype="text" clan="c1"/> <br> </br>
     <"input type="button" value=" Registration"/>
   <1body>
くしかtm1>
```

```
-> Example !-
   <!--- Create a webpage to change the styles based on mouse events
            using sourry --->
   <html>
     < head>
       < script src= Jauery-1.11.2.min.js">< 1script>
                                                             # 3Acoot: Green
        <style>
          . C.
               border: 1 pr solid Blue;
               background - color : Blue:
               color: White;
        LSCO PT>
          & (document). ready (function ()
                                                       SRI RAGHAVENDRA XEROX
                                                       Software Languages Material Available
                                                        Beside Bangalore Ayyagar Bakery,
                                                          Opp. CDAC, Balkampet Road,
                                                            Ameerpet, Hyderabad.
             $ ("-c1")- mouseover (function ()
             Var SLB23
                SI = $ (+his) · css (background - color");
                 sz=$ (this).css ("Color");
                $ (this)-css ({ background-color: "32", "color: 213);
               $ ("-c1"). mousse out (function ()
              3);
                  $ (this) · css ({ background - color : s1, "color"; s23);
                3);
              ५)५
          <iscn'pt>
        </ri>
        <body>
          Lhir styles in Squerykho/Chrix
          < Button clan = " c1" > Login < 1 Button>
                   clan = "c4" > Registra < | Button>
          < Button
        <1 body>
       </ht>
```

```
3) Add (lan L);
- This method is used to apply css class using Jovery.
-> It is easy to apply more number of css properties at a time
    with class.
 -> we can reuse excluting css classes & integrate with Javery programming
 -> To implement, first we need to prepare css class in your webpage
     (or) * css file.
   Syntan:
     $ (selector) - add class ("classname");
                                               SRI RAGHAVENDRA XEROX
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    Ext $ ("#div 1"). add class ("c1");
                                                Beside Bangalore Ayyagar Bakery,
                                                  Opp. CDAC, Balkampet Road,
                                                    Ameerpet, Hyderabad.
3) remove Clan()!
  -> This method will remove css clanes from html element.
 -> It means it remove all css properties belongs to that clan.
  Syntan: $ ( selector), remove Class ( class name ");
    Ex: $("#der")-remove Class ("ci");
 4) toggle Clan ()
  -> If you we this method, it will apply if element is not having.
     style class.
  -> It will remove if element in having style class.
     Syntan: $ (selector). toggle Clan ("clanname");
  Example ?-
 <1,-- create a web page to apply styles using css clan with jouery --->
   <htm>>
     <head>
        < style >
          · Blue Clan
             border : 1px solid Blue;
```

¿ Color: Blue;

```
· Green clan
   font-family: Ariel;
    color : Green;
<1 Style>
<Conpt crc= "squery-1-11-3.min-g1"> <15cmpt7</p>
 <SCript>
   $ (document) · ready (function()
    ٤
       $ ("# b1"). click (function ()
         $ ("h) abd Clan ("Blue Clan");
         $ ("PI") · add Clan ("Green Clan");
       3)5
       $ ("#b2"). click (function ()
         $ (" hi"). remove clan ("Blue Clan");
         $ ("pi"). remove (lan ("Green (lan");
       3)5
       $ ("# b2"). click (function ()
         $ ("h1") · toggle Clan ("Blue Clan");
         $ ("PI")-toggle Clan ("Green Class");
       3)5
     3);
  <15Cmpt>
<1 head>
< body>
 <h17 Styles in squery-css clanes <1h1>
  <hr/>
  <h1> Applying styles with css class <1/h1>
   <P>> This is Pest Paragraph --- < IP>
```

<hr></hr>

<hi> Applying styles with css clanes <1h >> This is Test Paragraph - - <1p>.

<hr><!hr><!hr>

< Bit < Button "d = "b1" > Add CSS claim < 1Button>

<Button "d="b"> Remove css clan < 1 Button>

< Button "d = " b3" > Toggle CSS clan < 1 Button>

<1body>

</h

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-> Event Handling in jouery !-

- -> Jovery library provides special methods in order to handle the events
- -> It supports all the events of html elements.
- -> we can handle the events in two ways.
 -) Dynamic handling events.
 - 2) Static handling events.
- Dynamic handling events -
- -> It means at runtime we can handle (or) unhandled the events.
- → It is reflered as bird/unbirding events programmatically.
- -> To implement this, jouery provides the following methods:
 - 1) bind()
 - 2) unbind()
 - 1) bind()! This method in used to add a function to event.

 Syntan: \$(selector). bind("eventname", function);

```
usage >
                        $ ("todivi"). bind ("click", function()
                                                             11 required code.
                                   3);
     2) unbind():-
                       - This method is used to remove the function from event.
                         -> After unbind, corresponding Himl element does not respond
                                               to wer actions
                           Syntan: $ (selector) unbind (eventname 4);
                             usage: + ("div1"). unbind ("click");
Example >
   <1 -- Create a webpage to add/remove the click event to div tag
                     wing dynamic event handling concept of squery - ->
    <htm1>
                                                                                                                                                                                                                                                                                                                                                                                   Inde Sells of the Marie of Control of the Sells of the Se
                <head>
                                                                                                                                                                                                                                                                                                                                                                                                 Section of the sectio
                              < script Src="jquery.1-11-3. Mn.js"> <1script>
                               <500pt7
                                              function flu
                                                                $ ("div 1") . bind ("click", function()
                                                                               alert ("Message from div click event");
                                                                    3);
                                                                    $ ("divi") · css ("curpor", "pointer");
                                                                   $ ('spi") · tent ('Click event added to div tag");
                                               3);
```

```
function fac)
     $ ("#divi). unbind ("click");
     of ("# divi"). css ("curpor", "auto");
     $ ("spi") tent ("click event in removed from div tag");
   q
 <15cmpt>
<1head>
< body>
   < h1> Jauery Event Handling-Demo </h1>
   </hr>
  < Button onclick = "f1()" > Add Event K/Button>
  < Button onclick = f2()"> Remove Event &/ Bulton>.
  <br>><1677.
  background - color: pink; ">
     This is Pest Paragraph. <br > < lbr > This is Pest paragraph.
  ZIdiv7.
  <span id="sp1"> <1span>
                                   SRI RAGHAVENDRA XEROX
                                   Software Languages Material Available
                                     Beside Bangalore Ayyagar Bakery,
<1 body>
                                      Opp. CDAC, Balkampet Road,
</h
                                        Ameerpet, Hyderabad.
```

- 2) Static Event Handling !-
 - -) It is a standard approach to process events
 - -> In this approach, event binding is fixed before execution.
 - -> In order to implement, squery provides event handler function like: click (), mouseover (), mouseout (), ready (), focus (), blunc) et:

```
-> most of the examples we are using this approach.
      $ (selector), eventname (function ()
   Syntan:
          3);
  Example !-
     -- Create a webpage to change the images dynamically based on
      mouse events an jouery -
   <htm>>
      < head>
                src= "squery-1-11-3-min-js"> <15cmpt>
        <styl->
          · 4
                                                SRI RAGHAVENDRA XEROX
                                                Software Languages Material Available
            margin = 2-px;
                                                 Beside Bangalore Ayyagar Bakery,
             border ; 2 pa solid gray;
                                                   Opp. CDAC, Balkampet Road,
                                                     Ameerpet, Hyderabad.
             padding: 8 pra;
           f
         <SCNP+7
          $ (document distance)
                  Var SI= $ (this) - attr ("src");
                  $ ("# main"). attr ("sre", SI);
                  $ (this)-CSS ("border-color", "Gold");
                3);
               $ (" ci") - mouseout (function()
                  $ (this) · css ("border-color", "Gray");
            y);
```

```
<1script>
<1 head>
<body>
<h17 jquery Evento-Demo 2 </h1>
<1h7>
```

<ing id="main" src="2mags/2magel-jpg"> border="2" height="350pr"
width="380px"/>
</br>

<img [ban="ci" src="2magus / 2mage 1-jpg" border=";" height="gopn"
width: "80 pn" !>

L'image class="ci" erc="Emages/Images-jpg" boader="2" height="80px" width="80px"/>

zing clas="ci" src="Images/Images.jpg" border=";" height="80pm" width="80pm" 1>

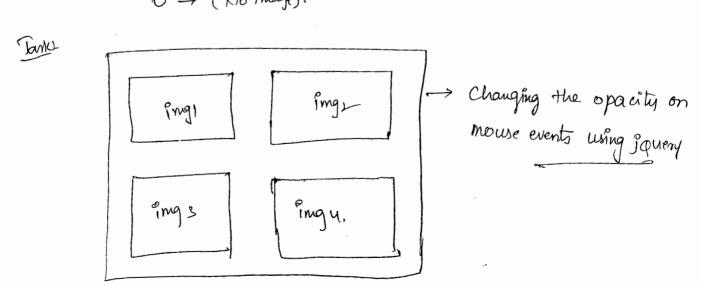
L'ing clan="ci" src="Images/Imageu-spg" border=": height="80px" border="80px" border="

Whody when it is not not the set of the set

→ opacity: 1 → defaut. (ful image)

O → (No image).

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30/19/15

> DOM Traverping 2

- -> journy selectors are used to get the elements from the document.
- -> Most of the selectors will return all elements that are matching given selector expression.
- -> so that these selectors will return collection of objects (Hml elements).
- → If you want to select specific item from the collection, jauery provides special functions (or) selector options.
- -> By using these options we can easily traverpe the items from the collection.

1) Traversing all items:

- -> we can traverpe all items from the selector in ways.
 - 1) using each() function. —item based processing.
 - 2) using eq.() function -Index based processing.

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Symton :-

each: \$ (selector) each (function()

3);

\$ (selector)-eq(i);

- where 'n" is length of the collection.

```
Difference blw $ (this) and "this in jovery. ?
> Frample -
   <1 -- create a webpage to access light items from the UL by using
         eq() & each() -->
   <htm>>
    Khead>
      <script Src = Japuery-1-11-3-min-js/> <1script>
      <Script>
        $ (document) - ready (function ()
                                                SRI RAGHAVENDRA XEROX
                                                 Software Languages Material Available
                                                   Beside Bangalore Ayyagar Bakery.
            var str:
                                                     Opp. Ameerpet, Hyderabad.
           $ ("# Lib") dick (function ()
             Var n=$ ("# list li)-length;
               Str= Wing Equ ; ";
             for(1=0;1<n; 1++)
               str-str+ $ ("# list li)-ep(i). tent ()+",";
             $ ("#spi"). tent (str);
           3);
           $ ("# b2") . click (function ()
              Berstr = " wing Each ();";
             $ ("Hlist 1 li), each (function()
                 Str= Str + $ (this) . tent() +4, 1, 1,
              $ ("#Sp,"). text (Sto).
          3);
        ५);
    <15cmpt>
```

< 1 head >

```
<body>
      <h17 journy Dom Traversing - Demol <1h1>
       Thr>
                                            SRI RAGHAVENDRA XEROX

 d="List">

                                             Software Languages Material Available
              <6> Jourry <16>
                                               Beside Bangalore Ayyagar Bakery
                                                Opp. CDAC, Balkampet Road,
              Ameerpet, Hyderabad.
              Angular Is 
             くじン 竹加しくりじン
              <117 CSS <1 h1>
        <141> <br><1br></br>
      < Button id = b1 > Value Get equing eq () < 1 Button>
      < Button id = 162" > Get using each() </ Button>
      <h77</h7>
                                                    uninger: Jaun, moc, An
      <span id='sp'> <1span>
   <1body>
  <1hm1>
> Enample 1-
   <1 -- create a webpage to create multicolor list using squery -->
   <html>
     <head>
       <script src="jouery-1.11.3.min.js"> <15cript>
       <sty (e>
         # 601
            border : 2 pr solid Blue;
            width: 150pa;
           height: 400px;
           list-style: none;
           padding : 3px;
       # list li
           border: 2px solid Black;
           margin: spi;
```

```
height: 20px
    padding: 3 px;
 <1style>
 <script>
  $ (document) · ready (function()
  ٤
     var colors=["Pink", "Yellow", "LightBlue", "LightGreen", "lightGray"];
     var n= $ ("#list (i) length;
      j=0;
     for (1=0; (<n; i++)
        $ (#lipH 12"). eq(i). css (background-color", colorpti));
        られせら
        if ( i == colorp-length)
                                   SRI RAGHAVENDRA XEROX
          5=03
                                    Software Languages Material Available
                                      Beside Bangalore Ayyagar Bakery.
                                       Opp. CDAC, Balkampet Road,
                                          Ameerpet, Hyderabad.
   3) "
<15 Cript>
 < body>
    <h1>jquery Dom Traverping - Demo 2 <1h1>
  くりゅうくりりょう

        h j query 
        <12> mvc <16>
        <117 Angular Is <111>
        <15> HTML <16>
        Lis Ces 
    <101>
 (1body)
<(html>
```

Jank: Creatia webpage to apply multiple colors for each row in the given

Ì	Product Name	unitPrice	unit In stock
·	AGB-RAM	2500,00	20)
	ITB Samsung HDD	00 00ZP	0
	wiff Router	1800.00	6
,	proter.	8200-00	5

+(-. 14(n4.2=0) 5 -

2) Traverping alternate items from the Collection:

- > If you want to select atternate items from the callections, journy provides special options in selector Expression.
- -> Dt works based on Inden.
- → Even number based indent.

 Odd number based indent:

Mage 1-

\$ ("# 1/2+1 12: even")

\$ ("#list1 li: odd")

SP Strate of Party Party

Above Frample:

\$ (document) ready (function ()

\$ ("#list 1 li:even").css ("background-color", "Blue");
\$ ("#list 1 li:odd").css ("background-color", "Green");
3

```
⇒ Traverying filtered Method?

⇒ Javery selector will return function will from Selector
```

→ Jauery selector will return all methods matched elements.

→ filter() function will filter out elements that are match given

4 Symbon + (Selector) - filter (Selector)

5 ("# lipt 1 4"), filter (". clans 1"); \$ ("# tibel 1 to"), filter (". clans 2");

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Traversing not filter delements:

-> filter() function will fifter all matched elements from the given collection.

-> not() function in simply negation of filter().

-> not() will return items that are not matching given selector expression.

Syntam's \$ (selector). not (selector);

usage: \$ ("# tabel!" 'tr"). not ("-header");

\$ ("# tabel! tr"). not ("-outof stock clan");

Erample -

<1, -- create a webpage to apply styles to table rows by using sovery
filter options --->

<html>
<head>
 <script src="jauery-1.11.3.min.js"> <1script>
 <script>
 <script>
 \$(document).ready (function())
}

\$ ("#tabel to"). filter (".outof Stock").css ("background; color",

```
$ ("#tabel) +1"). not (".outof Stock"). css ("background-color", "Bille");
                    $ ("#tobel +r"). first(). css ("background-color", "Green");
                     $ ("the tabel +r"). ces ("color", "white");
                3)5
                <15c2)2+>
             1 head
              Kbody>
                      <hi> jauery Dom Traversing <1h2>
                        <hr>>
                            xtablesalign=center" id="tabel1" border="2" width="400px">
                                   <48>
                                               < H>> Product Name < 1 th>
                                                Unit Posce < 1th>
                                                                                                                                                                                    Hade of the Control o
                                                 units in stock <1th>
                                  11tr>
                                    > Printer < 1 td>
                                                 2500.00<1td>
                                                   <1d> 20 <11d>
                                    <1t0>
                                     4GB-RAM <1td>
                                                    > 1200.00 <11d>
                                                      >
                                                                         23 <1-11>
                                       <1177
                                      < to> class="out of stock">
                                                 > (td> ITB Sampund HDD < 1td>
                                                                                 4741> 00.005n
                                                    7td>
                                                    <1d>
                                                                                                            < Hd>>
                                                                                             0
                                       <170>
                                       > 32-GB kingston USB <1td>>
                                                       > 800 <1 td>
                                                     35 <1 td>
                                      <1 hz
(body)
```

Note:

first & last term from the Selected Collection.

1) \$ (" selector"). first() } syntam.

* DOM Maniputations

Dom Manipulations

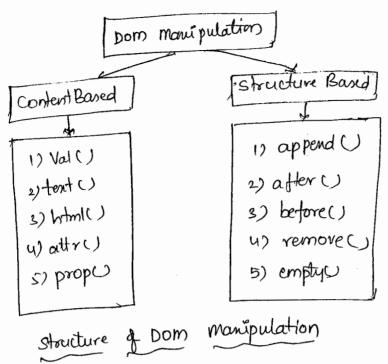
- -> After accessing pom elements, we need modify then at runtime to perform clientside activities.
- -> These Dom manipulation are categorized into two types.
 - 1) content Based
 - .2) structure Based.
 - 1) content Based Manipulation:
 - sthe following methods of jouery can be used to modify the content of the HTML elements
 - i) text()
 - 2) htm(()
 - 3) Val()
 - 4) attr()
 - 2) prop()

2) Structure Based Manipulations:

- 1) append()
- 2) after ()
- 3) before ()
- 4) empty ()
- 5) remove ()

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```
Frample >
<1 -- create a webpage to demonstrate usage of Dom Manipulations ->
 <html>
   <head>
     <script src="jauery-1.11-3-min-js"> <15cript>
      <script7
         var str= " bgcolor="yellow">";
            Str = Str + " wifi Router <1td>43
            Str = Str + "  1500.00 <1+d>";
            str = str + "5<1td>;
          strastra, "<1+r>')
        function in append ()
          $ ('#tabel1'). append (str);
         function in-after()
           $ ("# tabel +r"). fryst(). after (str);
          function fn-before()
            $ ("#table +"). (ast (). before (str);
```

યુ

```
function fn-empty()
                     $ ("#-table"). empty();
            function for remove ()
                       $ ("#table") -remove();
    <15c not>
< Whead>
 <body>
                 <h1> Jauery Dom Manipulations <1h1>
                    <hr>>
                                                onclick = "tn-append ()"> Append < 1 button>
                < button
                 <br/>

                 <button onclick =" fn-beforecs"> Before < 1 Button>
                  <button onclick = fn_ empty c) > Empty <1 button>
                  <button onclick = "fn-remove()"> Remove < 1 button>
                  <677<16x7
                       <h>>
                                                  > hoduct Name < 1 th>
                                                                                                                                                             SRI RAGHAVENDRA XEROX
Software Languages Material A XEROX
A garge Ayyagar Bakery
                                                 <+h> Product Cost <1+h>
                                                    Quantity <1th>
                                      <1/6>
                                       <\r\>
                                                      <ta>> Printer <1+d>
                                                         2500.00 < Hd>
                                                           <1d>> 20 <11d>>
                                         <1107
                                           <ta> <ta> u-GBRAM <1 td>
                                                        > 1200 -00 < 1td>
                                                         4td> 23 < ltd>
                                         <167

        Ahmil>
```

Note:

\$ (" #+table | +r").no+ ("- header")-empty <);

211/15

 \Rightarrow

Joueny Effects & Animations

- -> In order to make the html elements show hide at runtime.

 Jouery provides built-in methods.
- -> These methods will come with predefined effects-
- -> we can perform same task without these methods, but we did not get the any Visual effect.
- -> But jouery effects methods provides Visual effects. So, that it will add more richness to your Application.

Methods.

- 1) Show ()
- 2) Hide ()
- 3) Toggle()
- 4) fade (nc)
- 5) face out ()
- 6) tade Toggle()
- 7) slide Down ()
- 8) slide Up()
- a) stide Toggle()
- 10) Aansmate ()

(wage !-

Syntan: \$ (sclector) · effect Method (speed);

Ext \$ (# (mg 1"). Show (2000);

```
$ ("#imgi"). show (fast);
```

Noti-

- -> Duration can be specified with a number that represents in millipseconds.
- -> It also accepts string that take only following options. -> normal, slow, speed.

Example 1-

<1 -- create a webpage to apply effects on Image using journy function Eeffects methods -->

```
<html>
```

```
Khead >
```

<script src="jauery-1-11-3-min.js"> <1script> <scnpt>

\$ (document) - ready (function ()

\$ ("#b1"). click (function()

\$ ("#ingi") - show (2000);

3);

\$ ("# b,") · click (function c)

\$ (" #fing 14). hide (2000);

3);

\$ ("# b3"). click (function()

\$ ("# (mg 1") · toggle (2000);

3);

3) 5

<15cmpt>

<1 head >

```
<body>
    <hi>> Jouery styles <1h1>
    <hr1>
    <br/>
<br/>
button Pd: "b" > Show < 1 button >
    <button id="b2"> Hide & button>
    <button id="b3"> Toggle < 1 button>
    マケママノケン
    < "mig id="img" src = 1 Images | ingtipg theight="300" width="150"/>
 <1body>
</h
Example:
<!-- Create a webpage to apply fade effects on images curing
       howery effects -->
 <html>
  <head>
     <script src= jauery-1-11-3.min-js"> <1script>
     & Style >
         height = 150 px;
         width = 230 pa;
         border = 2pr solid DarkBlue;
         border-radius: 50 prz
         padding: upi;
         Margin : 5 px;
     LSC nptz
      $ (document) - ready (function ()
          $ ('.ci")-mouseover (function ()
             $ (this). fade In (1000);
     5); 5); $ (this), fadeout (1000);
```

```
<1 script>
 < | head >
  <body>
                 Effects &.
     <hi>> Jauery styles <1h1>
     <h~1>
     <img | clas="c" src = 2mages lings spg" />
     <fmg clas="c1" src="Images/img1-jpg" >
     < ing class = c1 src = 2mages | ing | ipg"/>
  <1bodyz
 </h
 Example >-
<1 -- create a webpage to develop a Image Gallery with files and
    apply effects using squery Effects
 <html>
   <head>
     <script src="govery-1-11-3.min.js"></script>
     <style>
       td
          height: 1 sopx;
         width: 200pa;
          tent-align: conter;
         background -color : Light Yellow;
      img
         height: 130 pri)
        width: 180 px;
        border: IPX solid DarkBlue;
        padding:2px;
        border-radius. 10pa;
  <15t9 4>
```

```
<script>
  $(document), ready (function()
      $ (1. c1)-hide();
      set Interval (f1, 1000);
    3);
    function f()
      $ ("#...c2") . troggle (2000);
      $ (1.c19). toggle (2000);
 <1scnpt>
</head>
<body>
  <hi> Jouery effects <1h>>
  < h~1>
  <ing clan="c1" src=2mages/ing/Jpg"/> 
       <tmg clan="cz" src=2mages/imgz.jpg"/> 
        < fing clan='ci' src=2mages/mg3 spg'/> <1td>
        | sing clan = "c2" src=Images/ingu-jpg" 1><1td>
    くしかフ
     117
                           Src = 2 mages / "ing 5- spg" 1> 51td>
       clan="c2"
                           src-Imager/ "ing6. Spg" 1> < 1+d>
       < \ing clan = 'c1' < td>< \ing clan = 'c2'
                           SYC= "Broger /ing 7-Jpg" 1> <1td>
       < fing clan="ci" src="2mager/ing8. spg"/> 
    <16>
  <1dable>
<1body>
21 hbm/>
```

```
3/11/15
```

```
< 1 -- Create a webpage to apply slide effects to display product imformation ->
Khtm1>
 <head>
            src="jovery.1-113:min.js"> <15cmpt>
   <Style>
     #div1
        border : 4 pr solld Green;
        width : 200 pa;
        padding: 5px;
        text-align : center;
       border: Apasdid Green;
      width: 200 px;
       padding: 5px;
       text-align = confer;
       background-color: Light Yellow;
       curpor: Pointer; Margin: Opr;
  <1style>
   < tgm>>
    $ (document) · ready (function()
        $ ("#drvi").hid();
        $ ("#P1"). click (function()
         $ ("#div1"). slide Toggle (2000);
        3);
<1 hood >
```

```
<body>
    <h1> jouery Effect - Stiding Effect <1h1>
    <hr>>
     shbw| Hide Dixmption <1p>
     <div id = divi >
         <h3> Product Pithe <1h3>
         マカマン
         <P>This Description About this product </P> <br
         <img src= Images/img1-jpg" height="100px" width="90px">>>
     <1 div>
   <160 dy>
                                             SRI RAGHAVENDRA XEROX
                                             Software Languages Material Available
 </h
                                               Beside Bangalore Ayyagar Bakery,
                                                Opp. CDAC, Balkampet Road,
                                                   Ameerpet, Hyderabad.
animate():
  -> Animale method will apply the animartion based on the given class
      properties.
  -> It will apply the styles in given duration.
   -> This method will accept 2 arguments.
         1) ess properties
         2) duration.
   - we can provide multiple properties.
    Syntan-
           $ (selector)-animate ({ "prop": "Value", "prop": "Value", __ }, duration);
   Frample?
   <1 -- create a webpage to apply animation on image to change the
        position using Jaury Animation -->
      <htm>>
       < head>
         <script src="iquery-1-11-3-min-js">
         <15cmpt>
```

```
<style>
          #ing1
                        width; 80 px;
                         height: 80 px;
                         position: relative;
                     left : 5px;
                           top : 5px;
              #div 1
                                                                                                                                                                                             Indie Grand Good Constitution of the Constitut
                        border : 5px double Green;
                                                                                                                                                                                                      ace tailaide by agil at acad.
                         width: 600 pr;
                        height: 300 pr;
                       padding : 5 pa
  <15ty6>
     <19/m22>
             & (document). ready (function ()
                ٤
                                $("#b1"). Click (function()
                                        $ ("#ingi") animate ({ "left": "520pr", "tops "5 pr" },1000);
                                       $ ("Hingi"). animati ({ "byt"; "Sopa", "top": "220pa"}, 1000);
                                      $ ("#ingi").animate ({" 6ft": "5pn", "top": "220pn"}, (000);
                                     & ("#fingi"). animate ({ "left": 5px", top: tpx"}, 1000):
                               5);
                  4);
 KISCOIPD
  <head>
             <h1> joueny Animation <1/h1>
               < h17
            <br/>
<br/>
Start Animation <br/>
Start Animation <br/>
Start Animation <br/>
<br/>
Ibutton>
                  <br>><lbr>>
```

- -> jamenyui-com -> custom do unloade -> stable-
 - 1) Images
 - 2) journy-1.11.3.min.js
 - 3) gavery-uices
 - e) squem-viss

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Hulus

> Jauery UI >-

- -> jourry ui is a special library developed by jourry team.
- \rightarrow It provides several function which makes your webpage is more richness related features to UI.
- -> It works based on core Javery library
- → To implement squery-vi, you need to include following files:
 - 1. jauery 1-11.3. minojs
 - 2. Jouery vi. js
 - 3. jauery.vi.css
 - 4. Required Pmages.
 - -> The Above files can be download from www.joueryvi.com.
 - -> The downloaded . Zip file contains all the required files

Primary features of jouery-UI>

- → All the features are devided into 4 categories.
 - 1) Interactions.
 - 2) Effects
 - 3) widgets
 - 4) Themes

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Jepuery Us Enteractions?

1) Draggable!

- -> journy Draggable function of journy v2 allows the user can drag and drap an interment
- -> By default end user cannot move the items from one place to another , pace.
- -> This feature allows to position the items with in the page.

Symbon: \$ (selector).draggable();
By: \$ ("#ingi").draggable();

3) Resignable:

- -> Resizable function of javery us allows the user can repise the html elements.
- -> usually end-user cannot regize the item on the webpage.
- -> This feature you can apply for any himl elements like img, div, p etc.

Symton: \$ (selector). repsizable(); \$ ("#imgi"). repsizable();

```
Frample
< !-- create the webpage to allow the user to drag & resize the elements
      wing jovery us --->
    <html>
      <head>
        <script Src > " jauery 1 - 11 · 3 · min · j s" > R 1 script>
        <conpt src = "jouery-ui.js"><15conpt>
        k href='jouery-ui.css" rel="Stylesheet"/>
        2sty6>
          #div 1
              border: 5px sold Red;
           3
           . C1
             border: 2pr solid Blue;
                                           Shime
            height: 150pa;
                                          Software Languages Material Availaged
                                           Beside Bangalore Ayyagar Bakery,
            width : 200px;
                                            Opp. CDAC, Balkampet Road,
            margin : 5 pis
                                              Ameerpet, Hyderabad.
       </style>
       <script>
        $ (document) · ready (function()
           $ ('·ci') ·draggable ();
          $ (#dwi"). repsable ();
          $ ("#imgi"). resizable();
        3);
      <15Coloty
    </heads
    < body>
       <hl> jauery-U? Interactions <1hl>
```

< hr/>

```
<img clas="ci" src = "img1.jpg" 1>
 <img clan = ci src = ing2.jpg 1>
 <img clan="ci" src="img3. jpg'/> <br>
 <div id='div1' > Sample content in div lag that allows resignile.
     by cuer ...
  <ld>> Cldiv> Cbr>Clbr>
  < "mg border="2" height="200pm" width="300pm" src="imq40jpg"
        id= "img1 />
 <1 body>
<1hm1>
       - jauery. 02. is

- jauery. 02. is

- jauery. 02. is

- jauery. 02. is
 folder Structure
                                         SRI RAGHAVENDRA XEROX
                                         Software Languages Material Available
                                          Beside Bangalore Ayyagar Bakery,
                                            Opp. CDAC, Balkampet Road,
                                              Ameerpet, Hyderabad.
```

3) Sortable:

- -> Sortable function allows the user to adjust the Hems with in the
- -> In this option, items will adjust the positions automatically.
- -> Generally this feature we are applying for lists related togs!

 Collection items.

```
Gample
<1 -- create a html page to create number puzzle wing journy-u2
                                    Sortable () - -->
       <html>
               <head>
                         <script src="jouery-1-11.3.min.js" > <15cript>
                         <ecoipt src = "jouery-vi" 'Js"><15conpt>

<p
                      < script7
                               & (document) · ready (function()
                                               $ ("# lift"). Sortable();
                                  3);
                    <1 script >
                     ~sty6>
                                                                                                                                                                                                    SRI RAGHAVENDRA XEROX
                                 ш
                                                                                                                                                                                                          Software Languages Material Available
Rannainre Avvanar Rakery
                                £
                                                                                                                                                                                                                     ithese ranguages haterial Available CDAC, Ameerbet, Hyderabad.
                                             border ; 2 pre solid Red;
                                             width: 90px;
                                           height : Sept and the second that second the 
                                              padding 3 2pz;
                               ul u
                                         background-colon: Blue;
                                          color : white;
                                          float : left;
                                         padding: 1px;
                                          Margin : 4 pa;
                                          bonder-radius:50 pas;
                                          cursor : pointer;
                                         width : 15pm;
                                        height; ispa;
                                       tent-align: center;
```

<15tyles <1head>

```
<body>
<hr/>
<hr/>
<hr/>
<u id="lip+1">
<u id=
```

<141>

<

71/15



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4) Selectable() i-

- -> By default List tags does not allow to select items in the list.
- > selectable () function of jouery will allows the user to select any item from list.

Note:

- To implement this function feature you need to provide style for selected item.
- -> It will be based on css clan: "ui-selected".
- -> It also provides a event called "selected" to add any logic at the time of selection.

Syntan: \$ (selector). Selectable();

En: \$ (# Lin+1"). Selectable();

```
Enample:
<1 -- create a webpage to allow the user to select course name from
    unordered list using jouery-ui interactions
  <html>
   <head>
     <cript src="journy-1-11.m"n.js"><15(x)pt>
     Lscript src="jauery.vi.js"><1script>
     < link hrfz "jouery-ui.css" rel="stylesheet">
    2style>
     ul ui-selected
        background - color : Blue;
        Color : White;
                                     SRI RAGHAVENDRA XERI
     ş
    #441
      : border: 2pr solid Blue;
      width: 150 pr.;
      height: 200 prz
      list-style: none;
      padding : 3 pr;
   b
   ulk
     border: 2 pa solid Black;
     margin: 8pz;
    height: 20 pms
    padding: 3pa;
    background - color : pink;
    curpor : pointers
KIStyle>
```

```
<script7
                      $ (document) - ready (function()
                      ٤
                                             $ ("#List") - setectable (selected: function)
                                             Ş
                                                           Var str = $ (". ui - selected") . tent ();
                                                              $ ("#spi") . html ("selected course:"+str);
                           3);
      <15Cojpt>
</hedd>
  <body>
            Chiz govery UI - Enteractions < 1/17
                 くりイン
                               <span id="spi'd <1span> <br/> 

 id = "Lipt">

                                                  <1 > Jauery </117
                                                  Angular Is 
                                          <br/>
LUY HTML 
                                                     <12> css </12>
                                                     Lis Javascript 
                              L'IW>
     <1body>
 <1html>
```

> Joury UI- Widgels:

- -> jouery-ui Library provides another module called "widgets".
- -> This module having several functions that you can apply div, list, buttons, in puts etc.
- → By using this module we can apply additional UI related features like tabs, menus, collapsible panels etc.,
- -> widgets also provides new controls like calender for date selection.

Note:

-> All fourry-ui widgets are themable 1,e, if you change the cui theme all widgets will get affected with that theme.

1) button()

- -> It is provide jouery-un button styles.
- -> It will change the styles in mouseover & mouseout events.

Symbon: & (selector). button ();

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2) Accordion Panels

- -> Accordion Panels are also called collapsable panels.
- -> It will Looks like horizontal table.
- → In the same place we can organize multiple contents based on the selected section.
- The you select one section, remaining sections will be minimized (collapse)

Implementation

<div id="main">
<div id="main">
<h3> heading <1h3>
<div> Content -- < /div>

< Idin 7

```
-> Apply Accordion function to "main" division.
         $ ("# main"). accordion ();
 Example !-
 <1 -- create a webpage to implement sourcy-ui widgets button & accordion
         panel -->
  <hm1>
    <head>
        <sccript
        Lscript
        < knk
       <sty6>
                                              SRI RAGHAVENDRA XEROX

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         · C|
                                                Software Languages Material Askery
Software Languages Avvarian Rakery
Reside Rannahre Avvarian Rakery
                                                  ntwate Languages waterial Available
Beside Bangalore Aylagan Panan
                                                     Selae paudalole Whyakuber bayer
Weller Palkamber Baken
Weller Bakenber Saken
         # main
            width : 500 pa;
      <15ty 6>
      <script>
        $ (document) ready (function ()
         ٤
             $ ("imput: button"). button ();
              $ ("# main"). accordion();
         4
     <1script>
  </head>
   <body>
     <h1> jauery -UI widgets <1h1>
```

7hr7

```
<input type="button" value="Login">>1
                <"nput type = butter" Value = update"/> <br></br>
                <div id="main">
                          <h3> Jauery <1h3>
                          <div class z"c1"> This panel contains content related to javery -- 
                          TSP<1h3>
                          <div clansici > This panel contains content related to JSP - < 1 div>

    This Hamley has
    The state of the
                          <di>div classici > This panel contains content related to HTMI - < Idis>
                <1 div>
             <1 body
          くしわtmレン
                                                                                                                                                 SRI RAGHAVENDRA XEROX
                                                                                                                                                 Software Languages Material Available
                                                                                                                                                    Beside Bangalore Ayyagar Bakery,
                                                                                                                                                        Opp. CDAC, Balkampet Road,
           Note:
                                                                                                                                                              Ameerpet, Hyderabad.
            > To Set default panel:
                          $("#main").accordion ({activate:2});
                          By default activate panel is set to 0.
           -> To change the default event:
                       $ ("#main"). accordion ({ event " mouse over"});
                       -> By default it is set to "click" event.
6/11/12
           3) Toot Pip 1-
                -> In Html we can apply Tooltip by using Title Attribute.
                Syntan :
                                                                   < tag title = "tool tip text" -> < input type = bullan title "userligin" &
                -> By using jouery us we can provide more richness to these tooltips.
                -> This you can apply at document level, so that all Html elements
                          this option will be applicable.
```

```
usage: $ (document) . toothip ();
$ ("input-button") . toothip ();
```

H) Talos:

<1 5 m(e>

- -> Tabe() function of jovery allows us to organize the content into multiple table.
- -> so that in the same area we can display different contents based on the selected tab.

```
wage: $ (selector) · tabs();
$ (#maindiv") · tabs();
```

```
Example )-
< ] create a webpage to implement toollip and tabs of jouery-ui widgets ->
  < html>
    <head >
      <script sic= fquery.1-11.3.min.js4> <1script>
      <script src='jouery-ui.js'><1script>
      < link href- jauery-ui.css' rel= stylesheets"/>
     <sty (e>
       #main
         width : 500px;
                                        SRI RAGHAVENDRA XEROX
        height: 300px;
                                        Software Languages Material Available
                                          Beside Bangalore Ayyagar Bakery,
      3
                                           Opp. CDAC, Balkampet Road,
      ing
                                             Ameerpet, Hyderabad.
        width: 200pt;
        hight: 120px;
        border: 2pr colle Red;
```

```
<9cmpt>
       $ (document). ready (function())
      Ş
         $ ("input : button")-tool tip ():
         $ ("# main") - tabs ( & active : L event: mouseover 3);
      3);
   <120201>
  </head>
  < body>
     <hi> jouery-us widgets <1h1> <hno
     <input type = button 'title = userLogin' value = login'(>

« Emput type z" butten' hitle z'user Registration Value z' (** Registration' 1>)

    ~"input type="button" title="update userdetail" value="update"/>
     <br >>
    <div id = main">
      <W>>
        <a href="#divi">Jauery <1a> <1li></a>
                                                       SRI RAGHAVENDRA XEROX
                                                        Software Languages Material Available
        <a href="#div2" > Jsp<1a><16></a>
                                                         Beside Bangalore Ayyagar Bakery,
                                                           Opp. CDAC, Balkampet Road,
        <b/>
<br/>
Asp. NOT <10> <16>
                                                             Ameerpet, Hyderabad.
      <141>
      <div id = 'divi'>
         This panel contains content related to journy.
         Ling erc: jouery.jpg 1>
     KIDEN >
      <der id divi>
        This pand contains content related to Isp.
         <imp erc="Jep. spg"/>
     LIDEN>
     <div id="div3">
        This pand contains content related to ASP. NET.
         <img Src="asp.net-jpg"/>
   4dry
<160dy
(16hml)
```

```
b) dialog():-
> jevery v] "dialoge)" method used to display the content as dialog box.
 -> we can apply this method to any tag like div, tables, etc.
 -> In any squery events we can display the content as dialog box.
      Ext button click, hyperlink-click, etc...
                $ (selector). dialog();
                $ ("#div1"). dialog();
   Note >
   1) useful options -
        auto Open : false,
                                     SRI RAGHAVENDRA XEROX
                                     Software Languages Material Ava
         height: "Uso" width : "600"
                                       Beside Bangalore Ayyagar Bakery,
                                        Opp. CDAC, Balkampet Road,
                                          Ameerpet, Hyderabad.
          model true,
        resizable: false,
        draggable: fahe.
   2) Show dialog/close dialog.
        $ (selector) . dialog ("open");
         $ (selector) dialog ("close");
  Example!
  <!-- create a webpage to implement image gallery using dialoge method
      of Jovery- ui widgets ->
   <html>
     < head >
        <script Src > "Squery-1.11.3. min.js"> <15cmpt>
         < script src = "jouery-cul.js"> < 15cripts
```

```
~sty6>
       · C |
         height = 150 px;
         width ? 200 pa;
         border; 2px solid Blue;
         padding 13 pm;
         Margin 33 pri;
      3
     # main
        height: 250 px;
        width : 300 px;
        margin : spx;
                                             SRI RAGHAVENDRA XEROX
 <1546>
                                             Software Languages Material Available
 <9Cmpt>
                                               Beside Bangalore Ayyagar Bakery,
                                                 Opp. CDAC, Balkampet Road,
   $ (document) ready (function()
                                                    Ameerpet, Hyderabad.
      $ (" # moun") · hide ();
      $ (#main") · dialog (
                                    show: { effect: "explode", duration: 2000 }.

hide: { effect: "explode", duration: 2000 }

blind
          alutoOpen: false,
           height: "430"
          model : true,
          repisable: false,
         draggable: false
      4);
    $ ("·ci")· click (function()
       var stre $ (this). attr (src');
       $ ("# main"). Attr ("src", str);
       $ ("# main").dialog ("open");
      3);
<15cmpt>
```

() head >

```
<body>
   <h>> joueny-ui widgets <1h>> <h>>>
   <ing clan="ci" src="ing1.jpg"/>
   King clan : " crc = "ing 2. spg"/>
   rmg clan = "ci" src = "img3 jpg"/>
   King clan="ci" src="ingu-jpg"/>
   <ing clan="c" src="ingb.Spg"/> <br>
   <ing id="main" crc="imgl-Jpg"/>
 <16ody>
</h
```

Note:

3) Dialog with effects?

show: { effect: explade, duration: 1000} hide ; { effect : "explode", duration ; 2000 }.

* Custom Buttons :-

custom Buttons to dialog Box:

buttons: [{ text: "cancel", click: function() Codecy { tent: "OK", click & function() Codec)

```
$ ("# main") · dialog (
Ebuttons: [ { tent: "Get 2 mage Name"
              dick: function()
                     Var str = & ("# main") . attr ("src");
                     alert ("current 2 mage Name:"+str);
             3.
             { tent = " cancel"
               dick = function()
                      $ ("#main") dialog ("close");
  3);
                                         SRI RAGHAVENDRA XEROX
                                         Software Languages Material Available
                                          Beside Bangalore Ayyagar Bakery,
                                            Opp. CDAC, Balkampet Road,
                                              Ameerpet, Hyderabad.
 Date picker:
-> Date picker function will provide moth, calender control so, that
   user can carry select the date.
-> Selected date will display in the specified textbox.
-> In this control we can early navigate blw months, dates, georp.
           $ (Selector) · datepicker ();
           $ ("ti"), date picker();
- we the following options to customize datepicker.
     1) change year : true
     2) Changemonth: true
     3) min Date
     u) Man Date : 0
```

```
5) Auto complete :-
```

- -> Auto complete function of jouery will show list of options suitable to the data that you type in the textroox.
- -> It search the options based on the characters enter by user.
- -> It will display all possible options from the given source (array)
- possible options.

```
source: arrayname
3);
```

<!-- Create html webpage to demonstrate usage of auto complete.</p>
and Datipicker methods of J-Query-UI -->

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<html>
<head>
<script
<script</pre>

< link

<script>

\$ (document). ready (function()

Var courses= ["php", "ASPNET", "ASPNET mvc", "mvc", "c#"];
\$ ("# ti"). auto complete (

§ Source: Cources

\$ ("#ti"). Datepicker (

{
 min Date: "-100";
 man Date: "100";
};

//sconot>

```
< body>
  <h > Sourry Auto Complete & Date Picker <1h1> <1b>>
   course Name: < mput type = "text" id = 1 1 1> 1/67>
   course Start Date: <input type = "text" id = " +2" 1>
 <1body>
く1html>
6) Menu:
- fauery UI provides another useful function that makes menu
    preparations is more comfortable.
- In order to implement menus in javery we need to prepare all
    the required options by using < u> tag.
-> Apply "menuc" on Luztag.
     Symtan: $ (selector). Menu();
        Ez: $ ("#menu hpt"). Menu();
  <1.-- Javery - UI Menu -->
                                      OKI KAUTAVENDRA XEROX
                                       Software Rannainte Auvanar Raken
   <html>
                                         Bezide Cupc Barbanes busy.

Brings Paulagore Whalselia, busy.

Angle Paulagore Whalselia, busy.
     <head>
                                           Opp. Ameerpet, Hyderabad.
        <style>
          W
           width : 150pz;
      <1style>
      <script>
        $ (document) · ready (function()
           $ ("# lipt1"). menu ();
        3);
      <15cmpt>
```

```
<body>
       thi> jauery - UI meny <1h1> </hr>
       <47 <6> 6 8+ </6>
             <u | id = 4 lip+ 14>
        <h> <a href="foury-htm"/> fquery <19> <1 h>>
        Kli > Java
          <W>>
            <12> Corejava <11>
             Liz Adv. Java 
          </4>
       </k>
       <11> PHP <110>
       Shi > Net &
         <w>>
           < lb > ALP. NET
             <UL>
               くは> ASP. HET MVC くりじ>
             <1W>
         <11hz
       <1W>
     くりピン
  VW>
                                 SRI RAGHAVENDRA XEROX
                                 Software Languages Material Available
(1body>
                                  Beside Bangalore Ayyagar Bakery,
                                    Opp. CDAC, Balkampet Road,
< lhtm 1>
```

=> JQuery-UI Effects:-

→ JQuery-UI library provides new set of methods related to applying effects to html effects.

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- -> Most of the methods are override the existing method of core jouery.
- -> These methods will provide additional behaviour to our htm/

-> It can add more richness to your webpages by providing more visual effects chage Effects () function -> jauery-ul library provides a function called effectes which is used to apply different types of Visual effects - we can apply this function on any html elements. -) It will apply at the time of show! Hide an html elements. syntan: \$ (selector). effect ("effect Name", Option, duration, call back - function); Ez: \$("#ingi"). effect ("Slide", {direction: "left"}, 2000, function () Il code that will execute effect completion of applying effect. 3); SRI RAGHAVENDRA XEROX Software Languages Material Available Details about effect () parameters: Beside Bangalore Ayyagar Bakery, Opp. CDAC, Balkampet Road, Ameerpet, Hyderabad. is effect Name: -> It is a string parameter specifies type of effect that you want to apply. -Shake - blind - Scale - clip - pulsate - explode - slide - föld size - bounce - duop - faide - highlight = puft

- pulsate

```
a) options:
- we can specify additional options if required
      Ex: direction, mode --
3) duration:
   - Possible Values.
                                   SRI RAGHAVENDRA XEROX
                                   Software Languages Material Available
        Normal
                                     Beside Bangalore Ayyagar Bakery,
                                      Opp. CDAC, Balkampet Road,
         Slow
                                        Ameerpet, Hyderabad.
         Fast
         Number (Milliseconds)
 W) Callback function
  - If you want to execute any code after completion of the effect,
     they we can use this function.
<1-- Create ATML page to demonstrate usage of jquery ui effects -->
 Khead>
   <script sic = 'japuny-1.11.3.min.ss' > <1 scorpt>
   <script src = "squery - wi-ss"> <15cript>
   <Script>
    $ (document). ready (function ()
    ٤
       $ ("# Lip+1"). change (function()
         Var str = $ ("# lipt1") . Val ();
         Var obj = { };
         it (Str = = "size")
```

Obj = { to : { height: 400, width : 700 } }

3

```
if(str = = "scale")
           obj = { percent: "150"};
        Pf ( Str == "highlight")
          $ ("# head 1") · effect ("highlight", obj, 3000);
          return:
        z
        $ ("#imgi"). effect (str, obj, 2000 function()
           $ (this) · Show();
        3);
      3);
   3);
   <15copt>
   chead 7
   <body>
    <hi id="head" > Squery-UI effects <1h1>
   くりょう
    <select id="lipti">
        <option > blind <1 option>
       <option> clip <10 ption>
        <option>bounce <10ption>
        coptions drop cloptions
        <option> explode < loption>
        <option> fade <1 option>
        <option> fold < loption>
        <option> hightight </option>
   <iselect > <br></br>
   L'ing "d="ing" src="ing1.spg" border="2" height="200ph width="350pr"/>
 <1body>
Al heads
clhtmly
```

```
<1-- Create a webpage of Him to make image slide show using journy
     Ui effects -->
<html>
 <head>
  <script src="jquery-1-11.min js" ><1script>
  <Script src = "jquery-ui-js"> <15cmpt>
  < link href = "jqueny-vicss" rel = "stylesheet" 1>
  < 500)01>
    Var n=1;
  $ (document). ready (function ()
      $ ("#ingi"). hide();
                                            SRI RAGHAVENDRA XEROX
                                            Software Languages Material Available
      th-show();
                                              Beside Bangalore Ayyagar Bakery,
  3);
                                               Opp. CDAC, Balkampet Road,
                                                  Ameerpet, Hyderabad.
   function fn-show()
   $("#ing,"). effect ("slide", {direction: 'night'}, 2000, function ()
      set Timeout ("fn-hide()", 2000);
   3);
 ž
  function In-hide()
  $ (#ing 1") reffect ("slide", & direction: "lept"), mode: "hide" },
                        2000, function ()
       n=n+1;
      14(n==8)
       1=1;
```

of ("Hing") · attr ("src", "Dmages2/2mage"+n+".prg");
In-show();

3))

3 <15cm/pt>

</brad>

<body background = "Bg_Road.jpg">

Jan Andrew All Jan

<677<1677

Albody>

SRI RAGHAVENDRA XEROX

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And the state of t

- → jquery-ui provider some different types of themes to make jquery-ui flems more colorful.
- These themes we can download from joueny-wi theme roller section. http://jouenywi.com/themeroller
- → Download the theme files and placed required files in your project.
- -> Create seperate folder for each theme and place following files.
 - 1) jquery-ui-CSS.
 - 2) [mages] tolder.

Example!

creat html page to change the theme dynamically by using squery-ui themes.

```
- Theme 1
                 [ [Images]
- jquery.vi.css
        - Theme 2
                 _ (Images)
                - jquery.vi.ces
       - jquery-1.11.3.min.js
       - jquery vi is
        - Theme Demo. html.
10/11/15
  <1 -- Create a webpage to apply joury-of themes at runtime -->
    <htm>>
     < head>
        <script sic="query-1.11.3.min.js"><15cript>
        <script src = jquery_ui, js'> <1script>
kink href = jquery_ui, css' rel = 'stylesheet'/>
       <5ty 6>
         ·C1
                                                                 SRI RAGHAVENDRA XEROX
Scriftware Jannianae Maraini divallane
                                                                    3KI KHUTHVENUKA AEKUALAN
Soliware Languages Maleria Avanar Rakenu
           height: 50 px;
                                                                      itwere Languages wateral Avallable
Reside Bangalore Aykannet Road.
                                                                         iside Bangalore Ayyagar bakery
Opp. Ameerpet, Hyderabad.
         યુ
        # main
           width: 500pm;
     <1style>
     <scnpt>
       $ (document) - ready (function()
        ٤
           $ ("#List 1") · change (functions)
              Var Str = $ (this) · val() + "/jquery-ui, css";
                $ (#Link 1") . attr ("href", str);
```

```
$("#divz") - datipicker();
         $ ("input: button") - button ();
          $ ('# main'). accordion ( & active 32, event: mouseover 3);
  3)%
<15cmpt>
</r>
Lacad>
< body>
   <hi>jquery-ul Themes <1h1> <h1>
     Select Thome : < Select i'd = "lig+1" > "
                                                                    <option> Theme! <!option>
                                                                                                                                                                                     Softward Languages Museum Control of Softward Languages Museum Museum Control of the Softward 
                                                                   <ophion> Theme 2 <1 option>
                                                                                                                                                                                            Ithale Faldnades watelia English
                                                                                                                                                                                                    Side Paunisinie Wanderapag.

Obb. Vueelber Hadelapag.
                                                                     <option> Theme 3<1 option>
                                                                      <option> Theme 4 <10ption>
                                                        <1select >
              くかってくしかって

    \( \text{id = \forall div 2'} \) < | \( \text{div > \forall br > } \)

                 <div id = main">
                            Lhz>jquery <1h3>
                              Ldiv clan="ci"> This panel contains content related to journy -
                               Udivy
                             Th37 JSP <1 h37
                               <div clan = "c1" > This panel contains content related to Jsp. 
                              < h3> PHP <1 h3>
                             <div clan="c1"> This panel contains content related to PHP. </div>
                              <h3> ASP. NET <1 h3>
                            ¿dir clan="ci"> This panel contains content related to ASPNET...
                              <10° v>
                  <1div>
          < 160dy>
     <1 html>
```

Jouery - Augin's.

- → Additional libraries that are developed based on Javery Library. are called "javery-plug-im".
- → Jouery team is provides some plugins like jouery-ui.
- -> Similarly there are other foury plug-ins available in internet.
- → If you want to use any jovery plug-ins, you need to download from corresponding files from that website.
- -> we need the following files in most of the journy plug-ins:
 - 1) "is file related to plugin
 - 2) tocs file
 - 3) required images
 - 4) Squery Library.

Examples of journy plugin websites

- 1) http://baslider.com/
- 4) http://wowslider.com/
- 3) http://sliderjs.com/ etc.)

36-- create a webpage to implement image slide show using bxslider gavery-plug-in -->

SE RACHAVE NOR A REPORT ROAD. Software Language Ray Ramper abad.

```
<style>
       height: 300 px;
       width: 100%;
 <1sty6>
  < C(2) pt>
   $ (document) ready (function ()
    ٤
      $ (" · bxslider") · bxslider (
          auto: toue;
         autoControls : true;
    3);
  <1 scn pt>
 < lhead>
 <body>
  <h1> jquery bestider plug-in <1h1> <1hr>
   clan = byslider >
      <12> <12> <1mg src= 1mg1-5pg"/> <1li>
      <11> <ing coc; ting2. spg"1> <14>
      447
 <1body>
</hr>
```

- => japury Validation Plug-in >
 - -> Baric jquery library does not provide any methods/propenties to perform Validations.
 - > performing validations is one of the primary activity in client side programming
 - > To implement journy based validations, you need to download special validation journy plug-in from the below substite.

http:// jquery validation.org,

Required files 1-

<script>

٤

- 1) jQuery-1011-3.minojs
- 3 jovery. validate. Is.

Z--! create a him page to implement validations using journy validation
plup plugin -->

```
<html>
<html>
<html>
<head>
<script src="jouery-1.11.3.min.js"> <1script>
<script src="jouery.validate.js"> <1script>
<style>
<style>
.error
{
    color:Red;
}
<1style>
```

\$ (document) ready (function()

```
$ ("#form"). Validati(
      rules: { txt Uname; { required ; true }.,
                txtPass ; { required : true },
                +x+Pan 2: { equal To : "# +x+Pan 1"},
                txt Email: { required: true, email: true},
                tx+Age: {min:20, max:40},
               tx+ city: { minlength: 3, maxlength: 10}
       messages: { tx+Uname: "user name is required",
                   txt Email: { required: "Email id is required",
                                email: "Emailied should in proper format"?
                 3
     3);
                                              ....OLLAVENDRA XEROX
  y);
                                           Software Languages Material Available
                                            Beside Bangalore Ayyagar Bakery,
 215cmpt>
                                             Opp. CDAC, Balkampet Road,
                                                Ameerpet, Hyderabad.
 </head>
 Lbody>
  <hi>> Squery Validation Plug-in <1h1> <1hr>>
    <form id = form 1 >
     UserName: < input type="tent" id="txtu name" name="txtuname" 1> < bo1>
     Parsword : < "input type" parsword "id="tx+Pars" name="tx+Pars" 1> < 67/>
  Retype Passwoord: < imput type: password" id="tx+Pass2" name="tx+Pass2"1> < 682>
     Email-ide (input type="text" id="txtEmail" name="txtEmail" 1> < bn>
     Age: < input type="text' id="tx+Age" name = tx+Age" /xbr/>
    city: < input type="tent" id="tx+city" name="tx+city" 1> <b>1>
    <fnput type="submit" value="Register" id= sb1 name= sb1"/>
  4-forms
</body>
<1html>
```

18/11/15

AJAX programming in JQuery.

What is AJAX ?

- -> AJAX- Asynchronous Javascript And Kml.
- → AJAX is a clientzide programming technique used to communicate with server Asynchronously.

Note:

-> This technique is first identified and used by Google team.

Advantages of AJAX =

- 1) Quick Response,
- 2) Reduced burden on the server.
- 3) Reduce network traffic.
- H) Partial page updates.

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Ameerpet, Hyderabad.

Implementing AJAX programming:

- -> AJAX can implementined using Javascorpt.
- → If we use only Tavascript, it will be difficult & time consuming programming
- → In order to make AJAX programming easy, there are several Javascript libraries available.

Ent 1) Jaury

- 2) Angular Js
- 3) Doto
- 4) moo Tooks etc>

Implementing ATAX programming in Jovery:

- → Javery provides a built-in function called agance to implement ATAX programming.
- → In AJAX programming, your Javascript code is responsible to rend the request, recieve the response & display in the webpage.

```
ADAX function :-
              $ - ajan ({ url : ",
                           type: "POST",
                           data: "
                           contentType: "application / JSOIN;",
                           Success: function (response)
                                       11 response handling logic
                         4)5
<!-- Create a webpage to display Dept data from Server using AJAA.->
  1) ServerData. teta
  2) AJAX Demo-htmle
  1) Server Data tat
     [ & Deptho : 10, "Drame : "Accounts", "Loc" = "Hyd"],
       { Deptno : 20, "Drame": "Sales", "Loc": "Hyd"},
                                                       SRI RAGHAVENDRA XEROX
       {Depho": 30, "Dnam": Marketing", Loc" = "Hyd" }]
                                                        Software Languages Material Available
                                                          Beside Bangalore Ayyagar Bakery,
                                                            Opp. Ameerpet, Hyderabad.
  2) AJAY Demol-html 1-
     <html>
       Thead 7
         <title> </title>
         <script src="Scripts/jquery-1-11.3.mln.js"> <15cript>
         <script>
          $ (document) ready (function ()

{
$ ("#b1") · click (function ())
```

```
$ ajan (un1: "Server Data . txt",
         type = " GET's

data = "";
          contentType = "application/JSON")
          succes: function (response)
                    Var obj = $-parkeTSON (response);
                    for (i=0; (< obj, length; i++)
                    E Var str = "try";
                    Str=Str+""+ obj [:]-Deptno+"<1td>";
                    Str = Str+ + obj(i). Dname+ <1+d>";
                    str=Str+ "+ obstil. Loc + "<1fd>;
                    SK= SK+ 4<147";
                    $ ("table 1") append (str);
                   4);
                             SRI RAGHAVENDRA XEROX
                             Software Languages Material Available
                               Beside Bangalore Ayyagar Bakery,
                                Opp. CDAC, Balkampet Road,
                                  Ameerpet, Hyderabad.
 <1script> Lihead>
   < h17 AJAX Demo by using Javery <1h17 < hr1>
  < boody7
   <br/>
<br/>
button id="bi" > GetData < 1 button>
   > Deptno <1th>>
         Kthy Dname Kith
          > Loc <1th>>
      21/07
    Auble7 < 1 body>
```

<1htm1>

```
13/11/15
 <!-- Create a webpage to display the dept details by reading data from
     database using AJAX with jovery -> (ASP.NET)
    1) Webservie 1. asmx.cs
        using System Data;
       using System Data · SqlClient;
       namespace webApplication 1
        //[webserrice]
         [Script Service]
                                                    SRI RAGHAVENDRA XER
                                                     Software Languages Material Availa
         public clan webservice 1: Webservice.
                                                       Beside Bangalore Ayyagar Bakery
                                                         Opp. CDAC, Balkampet Road,
                                                            Ameerpet, Hyderabad.
           I webmethod ?
           public string Get Depts ()
             string str=" ";
             string connstr= server= : ; database = Sathya"; Trusted_Connection =
                                                               toue; ":
            String and Tent = " select the from Dept";
            Sal Data Adapter da=new Sal Data Adapter (cond Tent, connstr);
           Data Table dt = new Data Table ();
           da. fill (dt);
           foreach (DataRow Hem in dt. Roux)
               if (str = =" ")
                  str=Str+"[";
```

else

Sty = Sto+",";

```
Str= Str+" {\"Deptno\": "item [o] . To string () + ";
Str=Str+" {1" Drame(":" item[1]. To string ()+")";
Str=Str+" {\"Loc1": "ftem[2]. To string()+"\"?";
£
  Str = Str + "7";
  return str;
                                  SRI RAGHAVENDKA ALA
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                                    Opp. CDAC, Balkampet Road,
                                       Ameerpet, Hyderabad.
 Ajax Demo. html
<html>
 < head >
   <title> <1title>
  <script src = "Scripts/jquery-1-11-3.min-js"> <15cripts>
   LSCRPTZ
    $ (document) - ready (function()
       $ ("#b)") click (function()
            Un Web Service 1 - asma/ Get Depto 5
            type: "POST"
            data = "
            contentitype : "application / JSONS",
             success: function (response)
               var obj = & parse JSON (response -d);
               for ( =0; ( obj. length; ett)
                   Var str = 4 x tx d
                  Str=Str+ "<ta>"+ obj(i)- Deptno+ "<ta>"
```

```
Str: Str + "x td>"+ obj[i] - Dname + " 
       shr + shr + ""+ obj[i]. Loc + "">
       Str = Strt "<to>";
       $ ("# table 1"). append (sh);
     z
   3);
  3);
                   and the mothers of the te
               Cap Coar, Balkampet Rea.
3)5
                 becarabyH temaema
<15cmpb>
</ri>
< body >
  <hi> AJAX Demo < Ihl> </hr>
   <button "d="b1" > Get-Dept <1 button>
    くりょうくりりょう
    < h>> Deptno < 1th> ::
        4th Drame <1th>
        4th> Loc < 1th>
      1/1/2
    < Hable >
   (1body>
  <14tm1>
Note:
           strnarastimha@yahoo.com
```

- -> JSON stands for Java Script Object Notation.
- -> ISON concept is used to transfer the data from client to server (or) server to client in ajax calls.
- -> It is a object representation technique in Javascorpt.
- -> Before JSON, we need depends on the XML.
- -> If we use XML, we need to Serialize / de-serialize the XML data into objects.
- -> But ISON can access directly in Javascript.

- Easy to respresent, occurs and read.
- 2) Light weight objects
- 3) No need to perform senalize desenalize.
- H) All Javascript Libraries supports
- 5) Easy to map programming objects to Is objects due to its SRI RAGHAVENDRA XEROX property respresentation. 35 tware Languages Material Available Rangaria Annanar Rangaria Jitwate Languages maienal Avallagie Beside Bangalore Ayvagen Roban.

Jede Hangalore Pry Jagar Lanery.

Interview Questions.

- 1) what in Jovery?
- 2) what are Advantages of Jovery?
- 3) How Tavascript & Squery are different?
- 4) Is journy replacement of Javascript?
- 5) Is journy library for clientscripting (on) server scripting.
- 6) why there are a different verplant of journy library?
- 7) what is CDN?
- 8) what are the examples of CDN?
- a) How to load journy from CDN?

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⇒ CDN-

-> CDN stands for content Distribution Network content Delivery Network

-> CDN is a global location forom which we can refer the files to integrate with other applications.

Examples 1

- 1) Google
- 2) Microsoft
- 3) Janery

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- O <script src = "http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/ joury.min 1s"> <1script>
- (2) < script src="http://ajan-microsoft.com/ajan/jquery/jquery-1.9.1.minjs3 <15CDD1>
- 3 <script src= http:// code.jquery.com/jquery-1-1.9.1.min.js"> <ISCRPTT.
- (i) what does dollar sign (\$) mean in squery? (\$-jquery factory furtian)
- com we use multiple Javascript libraries en same webpage?
- Yes, we can use more than one Is libraries.

```
12) what is jquery no conflict() function?

Jquery no Conflict();

Jquery (document) ready (function()

{

Jquery ("dev") hide();

3);
```

in jquery?

Var \$n = jquery · no Conflict();

- &n (document) · ready (function()

*** derivit tequents

\$n ("div) · hide();

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- 14) which is the starting point of code execution in jaway?
- 15) can use have multiple document-ready () function on same page? Yes
- 16) Is there any difference blw window load () & document-ready ()
 function? window load ()
- > window. load() event occurs when all the html elements are loaded in the memory with content.
- → we can write only one window. Load () event handling code.

 document ready()
- -> we can write multiple document ready () event houdling code.
- → It will occurs when the elements are ready (Structure) in memory.
 No need to wait for the content to be load.

- 17) can we write gavery code without document ready ()?
 -Yes, By wing normal Javascript code.
- 18) what are selectors in jamery?
- 19) what does \$ ("div. Hello") will select?
 - -> It access the tag which is having tello class name with in the div tag.
- 20) In jquery fastest Selection (#id) Slowest Selector in (.clan)
- 21) How to select all textBox in page?
 \$ ("imput: text").

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22) Diff blu \$ (this) and this in iquery.

this inner Test -> It is javascript keyword which can occen only Is features.

\$ (this) . tent () -> \$ (this) is a jquery selector which can accent all the jquery methods.

- 13) How to Pierate each item from the result of selector?
 9(1) & each()
- Qu) what is the use of "query. each () function?
- \$ (downent) · ready (function()

 {

 \$ ("ttdiv!") · addClan("clan!")

 · css("color", "red")

 · fade In ("slow");

3)%