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UNIT-6 Menus, Navigation and web page protection.

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##STATUS BAR:

- =====
- horizontal bar
 - present at bottom of window.
 - display information about the document which is being used.
 - small amount of information about the page means status bar.

Builds statis message:

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- status bar present at bottom of window and it is used to display short message to visitos of web page.

- syntax:

```
window.status="message";
```

- Program:

```
<html>
<head>
    <script language="javascript" type="text/javascript">
        function display()
        {
            window.status="Welcome to status bar.This is static message";
        }
    </script>
</head>
<body>
    <input type="button" name="b1" value="Status Bar" onclick="display()">
</body>
</html>
```

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Changing the message using rollover

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- We can chnage message of status bar using rollover.
- We use "onmouseover" and "onmouseout" properties to change the message of status bar.

Program:

```
<html>
<body>
    <h1> Change status message using rollover </h1>
    <a onmouseover="window.status='welcome to status bar..This is C Lang'">
        <h2>C Language</h2>
    </a>
```

```

        <a onmouseover="window.status='welcome to status bar..This is C++ Lang'">
            <h2>C++ Language</h2>
        </a>
</body>
</html>

```

```

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Moving the message along the status bar:
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- We want to move messages on the status bar.

Program:

```

<html>
<head>
    <script language="javascript" type="text/javascript">
        var scrollpos=0;
        var maxscroll=100;
        var blanks="";
        function scrollText(text)
        {
            window.setInterval(displayText(text),500);
        }
        function displayText(text)
        {
            window.status=blanks+text;
            ++scrollpos;
            blanks+=" ";
            if(scrollpos>maxscroll)
            {
                scrollpos=0;
                blanks="";
            }
        }
    </script>
</head>
<body>
    <input type="button" name="b1" value="Status Bar" onclick="scrollText('Welcome to
status bar')">
</body>
</html>

```

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Banner
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- A rectangular area in web page where image is placed for advertisement purpose is known as

Banner.

- Banner can be placed anywhere in the web page.
- WAP to create simple Banner:

```
<html>
<body>
    
</html>
```

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To create banner array:

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```
<html>
<head>
    <script language="javascript" type="text/javascript">
        var Barray=new
Array("banner1.png","banner2.png","banner3.png","banner4.png","banner5.png","banner6.png")
;
        var timerID=null;
        var i=0;
        function display()
        {
            if(timerID==null)
            {
                timerID=setInterval("display_banner()",1000);
            }
        }
        function display_banner()
        {
            if(i<Barray.length)
            {
                document.getElementById("image1").src=Barray[i];
                i=i+1;
            }
            else
            {
                clearInterval(timerID);
            }
        }
    </script>
</head>
<body>
```

```

        
        <input type="button" name="b1" value="Display Banner" onclick="display()">
    </body>
</html>

```

```

=====
Attach url to banner
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```

```

<html>
<body>
    <a href="https://www.vjtechacademy.in">
        
    </a>
</body>
</html>

```

```

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Slide Show
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```

- Slideshow provide functionality to visitor to move next or back images as and when required.
- Visitor can click on Next or Previous button to see the images.
- Program:

```

<html>
<head>
    <script language="javascript" type="text/javascript">
        Image_Array=new
Array("banner1.png","banner2.png","banner3.png","banner4.png","banner5.png","banner6.png")
;
        i=0;
        function SlideShow(status)
        {
            i=i+status;
            if(i>(Image_Array.length-1))
            {
                i=0;
            }
            if(i<0)
            {
                i=Image_Array.length-1;
            }
            document.getElementById("image1").src=Image_Array[i];
        }
    </script>

```

```

</head>
<body>
     <br><br><br><br>
    <input type="button" value="Previous" onclick="SlideShow(-1)">
    <input type="button" value="Next" onclick="SlideShow(1)">
</body>
</html>

```

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Menus

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- A menu consists of set of option where user can select one or more option.
- It is used to create GUI.

1) Creating a Pull-Down Menu:

- This is common menu item where we can display drop down list.

```

<html>
<head>
    <script language="javascript" type="text/javascript">
        function Display(m)
        {
            var x=m.options[m.selectedIndex].value;
            alert("You have selected language:"+x);
        }
    </script>
</head>
<body>
    <form name="form1">
        Select Your Favourite Language:
        <select name="s1" onchange="Display(this)">
            <option value="C">C lang</option>
            <option value="C++">C++ lang</option>
            <option value="Java">Java lang</option>
            <option value="Python">Python lang</option>
        </select>
    </form>
</body>
</html>

```

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Validating Menus Selection

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- Suppose, user forget to select menu item then we can't send incomplete information to the server.
- Before sending any information to the server, first we should validate at client side and then we can send it to sever.
- In this section, we need to check whether user selected correct menu item or not.
- If user forget to select the menu item then we should populate the error message.

program:

```
<html>
<head>
    <script language="javascript" type="text/javascript">
        function Display()
        {
            var x=document.myform.s1.options[document.myform.s1.selectedIndex].value;
            if(x=="Select Country")
            {
                alert("Please select country");
            }
            else
            {
                alert("You have selected country:"+x);
            }
        }
    </script>
</head>
<body>
    <form name="myform">
        Select Your Country:
        <select name="s1">
            <option value="Select Country">Select Country</option>
            <option value="india">India</option>
            <option value="america">America</option>
            <option value="china">China</option>
            <option value="afganistan">Afganistan</option>
        </select>
        <input type="button" name="b1" value="submit" onclick="Display()">
    </form>
</body>
</html>
```

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Floating Menu

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- When user scroll the webpage then sometimes we need a menu to stick to the screen for

particular operation.

- The menu which is fixed while scrolling the web page is known as floating menu.
- Floating menu can be created by setting the style position of that menu fixed.

```
<html>
<head>
    <script language="javascript" type="text/javascript">
        function Display(m)
        {
            var x=m.options[m.selectedIndex].value;
            alert("You have selected language:"+x);
        }
    </script>
</head>
<body>

    <form name="form1" style="position:fixed">
        Select Your Favourite Language:
        <select name="s1" onchange="Display(this)">
            <option value="C">C lang</option>
            <option value="C++">C++ lang</option>
            <option value="Java">Java lang</option>
            <option value="Python">Python lang</option>
        </select>
    </form>

    <br><br><br><br><br><br><br><br><br><br><br><br><br><br>
    <br><br><br><br><br><br><br><br><br><br><br><br><br><br>
    <br><br><br><br><br><br><br><br><br><br><br><br><br><br>
    <br><br><br><br><br><br><br><br><br><br><br><br><br><br>
    <br><br><br><br><br><br><br><br><br><br><br><br><br><br>

</body>
</html>
```

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Protecting Web Page

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- We have seen security concern of javascript.
- Also we know that by using mouse button we can open the web page source code including javascript code.
- So we need to take proper action on this point so that hacker can not see our code.
- Viewing source code by user is not safe.

Disabling right mouse button:

```
<html>
<head>
  <script language="javascript" type="text/javascript">
    function display()
    {

document.addEventListener('contextmenu',event=>event.preventDefault());
    }
  </script>
</head>
<body>
  <input type="button" name="b1" value="Protect Web Page" onclick="display()">
</body>
</html>
```