

JavaScript

JavaScript

- JavaScript is a Client Side Scripting Language.
- JavaScript is the programming language of HTML and the Web.
- JavaScript is a dynamic computer programming language.
- JavaScript and Java are completely different languages, both in concept and design.

Why we Use JavaScript

- *HTML to define the content of web pages*
- *CSS to specify the layout of web pages*
- *JavaScript to program the behavior of web pages*

How to write something in JS

```
<head>
```

```
  <script>
```

```
    document.write("Hello");
```

```
  </script>
```

```
</head>
```

```
<body>
```

```
</body>
```

Functions in JS

```
<head>
  <script>
    function a()
    {
      document.write("Hello");
    }
  </script>
</head>
<body>
  <input type="submit" onClick="a()">
</body>
```

Variables in JS

```
<head>
  <script>
    function a()
    {
      var a=3;
      var b=2;
      var c=a+b;
      document.write(c);
    }
  </script>
</head>
<body>
  <input type="submit" onClick="a()">
</body>
```

HTML in JS

```
<head>
  <script>
    document.write("Hello World");
    document.write('<br>');
    var a;
    var b;
    a=5;
    b=4;
    var c=a+b;
    document.write(c);
    document.write('<br>');
    var d='Ram';
    var e=true;
    document.write(d);
    document.write('<br>');
    document.write(e);
  </script>
</head>
```


JS in <head>

```
<head>  
  <script>  
    function a()  
    {  
      document.write("Hello");  
    }  
  </script>  
</head>  
<body>  
  <input type="submit" onClick="a()">  
</body>
```

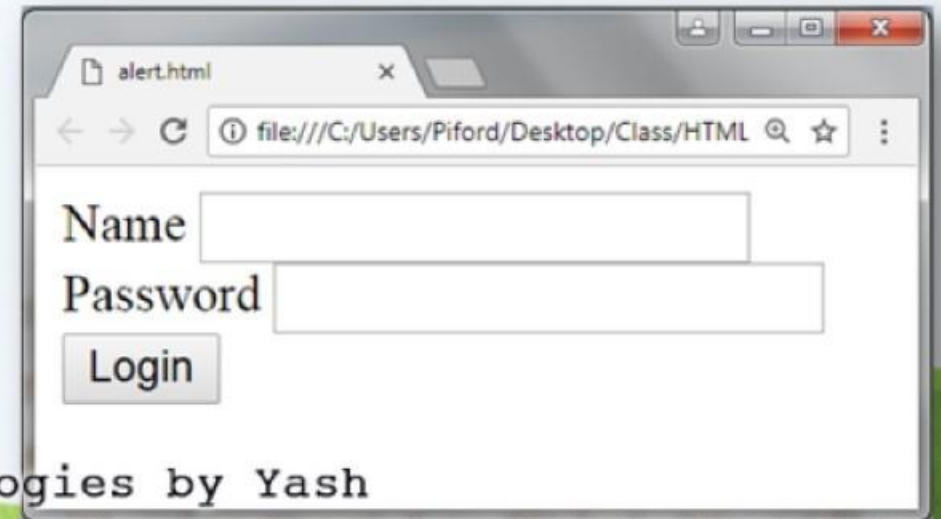

JS in <body>

```
<head>
</head>
<body>
  <input type="submit" onClick="a()">
  <script>
    function a()
    {
      document.write("Hello");
    }
  </script>
</body>
```

Popup Boxes in JS

- Alert → `alert("User Name Required");`
- Confirm → `confirm("confirm to delete file?");`
- Prompt → `prompt("Enter a Name");`

```
<body>  
  <form method="post" name="frm">  
    <div> Name <input type="text" name="nm"> </div>  
    <div> Password <input type="password" name="ps"> </div>  
    <div> <input type="Submit" value="Login" onClick="a()"> </div>  
  </form>  
</body>
```




```
<head>
<script>
function a()
{
var a= document.frm.nm.value;
if(a=="")
{
alert("User Name Required");
}
var b= document.frm.ps.value;
if(b=="")
{
alert("User Password Required");
}
}
</script>
</head>
```



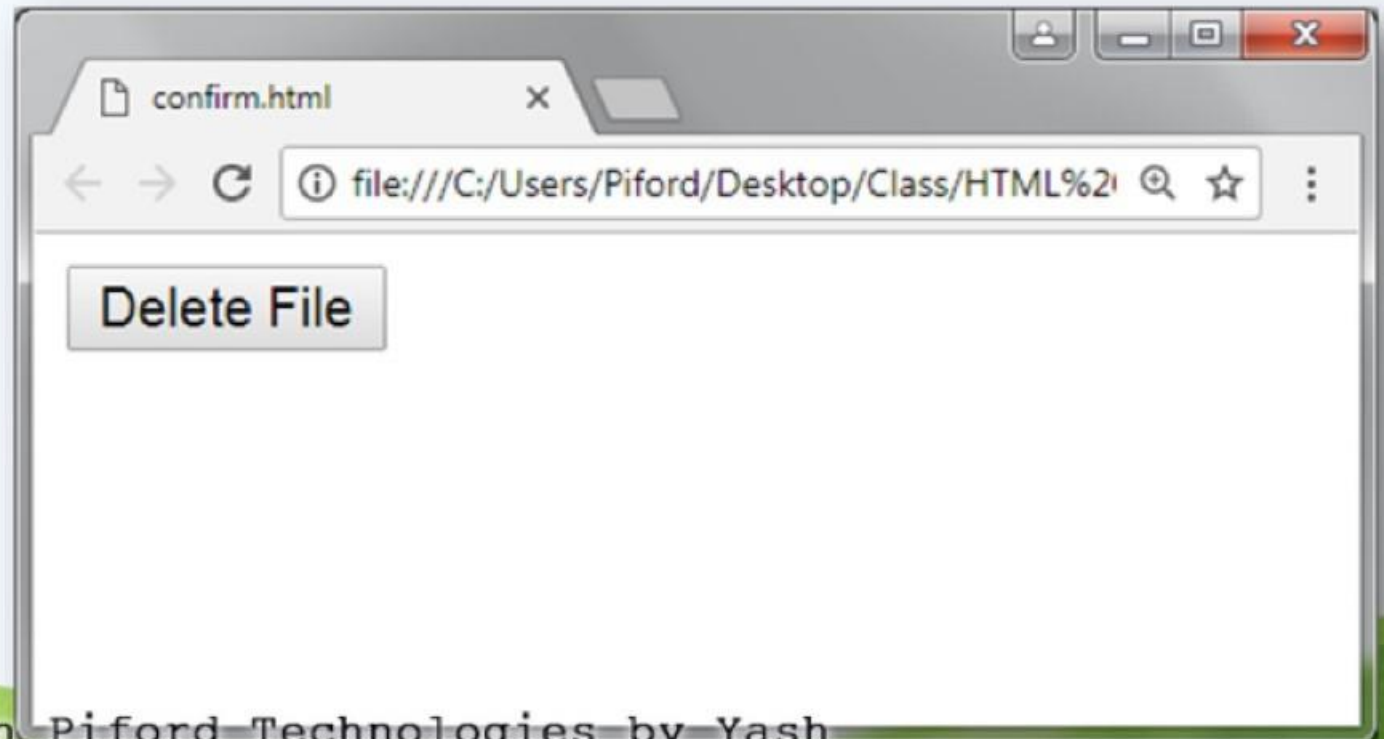
Confirm

```
<body>
```

```
<div> <input type="Submit" value="Delete File" onClick="a()">
```

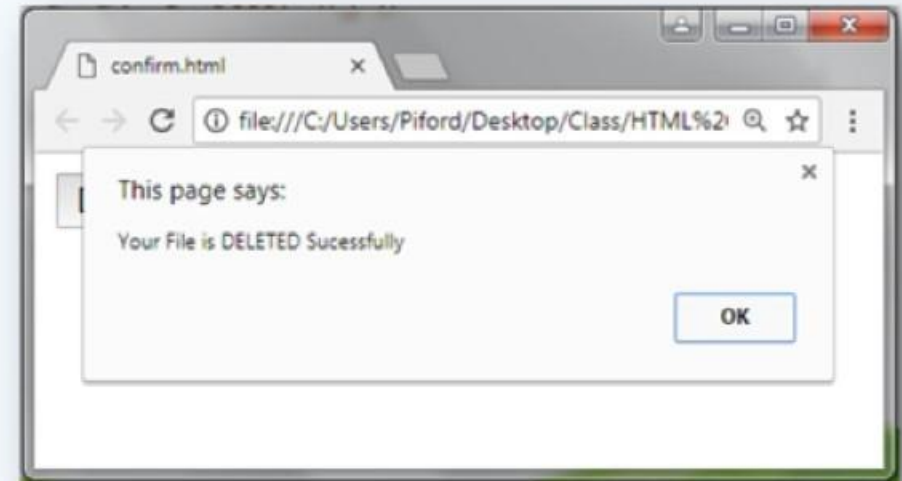
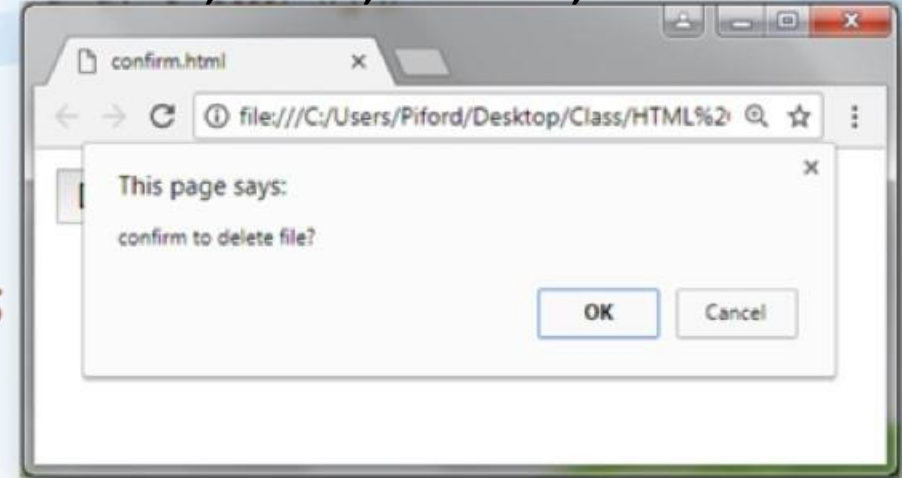
```
</div>
```

```
</body>
```



```
<head>
<script>
function a()
{
var a= confirm("confirm to delete file?");
if(a==1)
{
alert("Your File is DELETED Sucessfully");
}
else
{
    alert("Process Canclded");
}

}
</script>
</head>
```



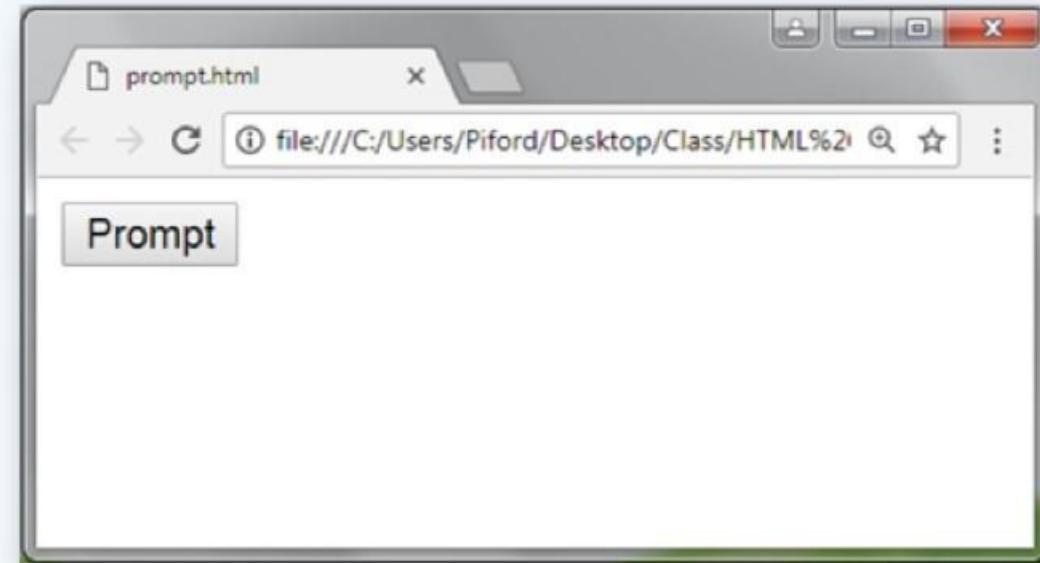
Prompt

```
<body>
```

```
<div> <input type="Submit" value="Prompt" onClick="a()">
```

```
</div>
```

```
</body>
```



```
<head>
<script>
  function a()
  {
    var c= prompt("Enter a Name");
    {
      if(c!=null)
      {
        alert("welcome "+c);
      }
    }
  }
</script>
</head>
```

