Course Name : Web Technologies
Course Code : CSEG7007

Course Instructor :

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Assistant Professor-Selection Grade
School of Computer Science
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Mobile : 9410188296

File | C:/Users/dhiviyarj/Desktop/Web%20Technologies/Activity/heading.html

Ordered List

This is reflected using internal stylesheet

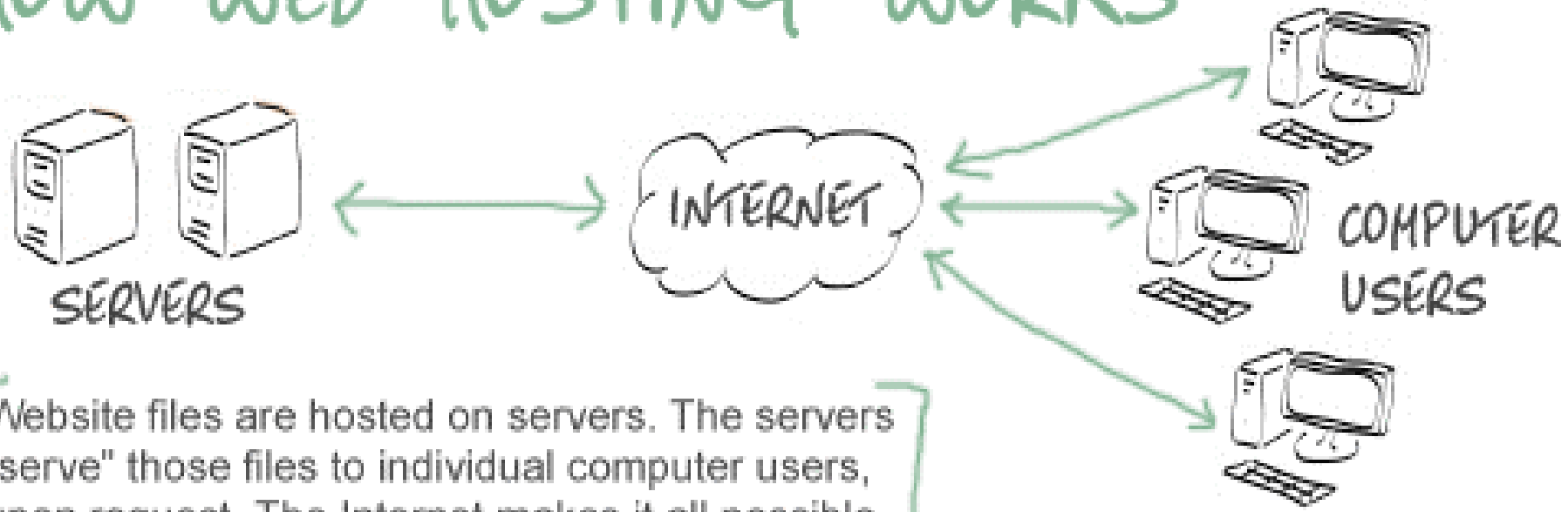
1. One
2. Two

Unordered List

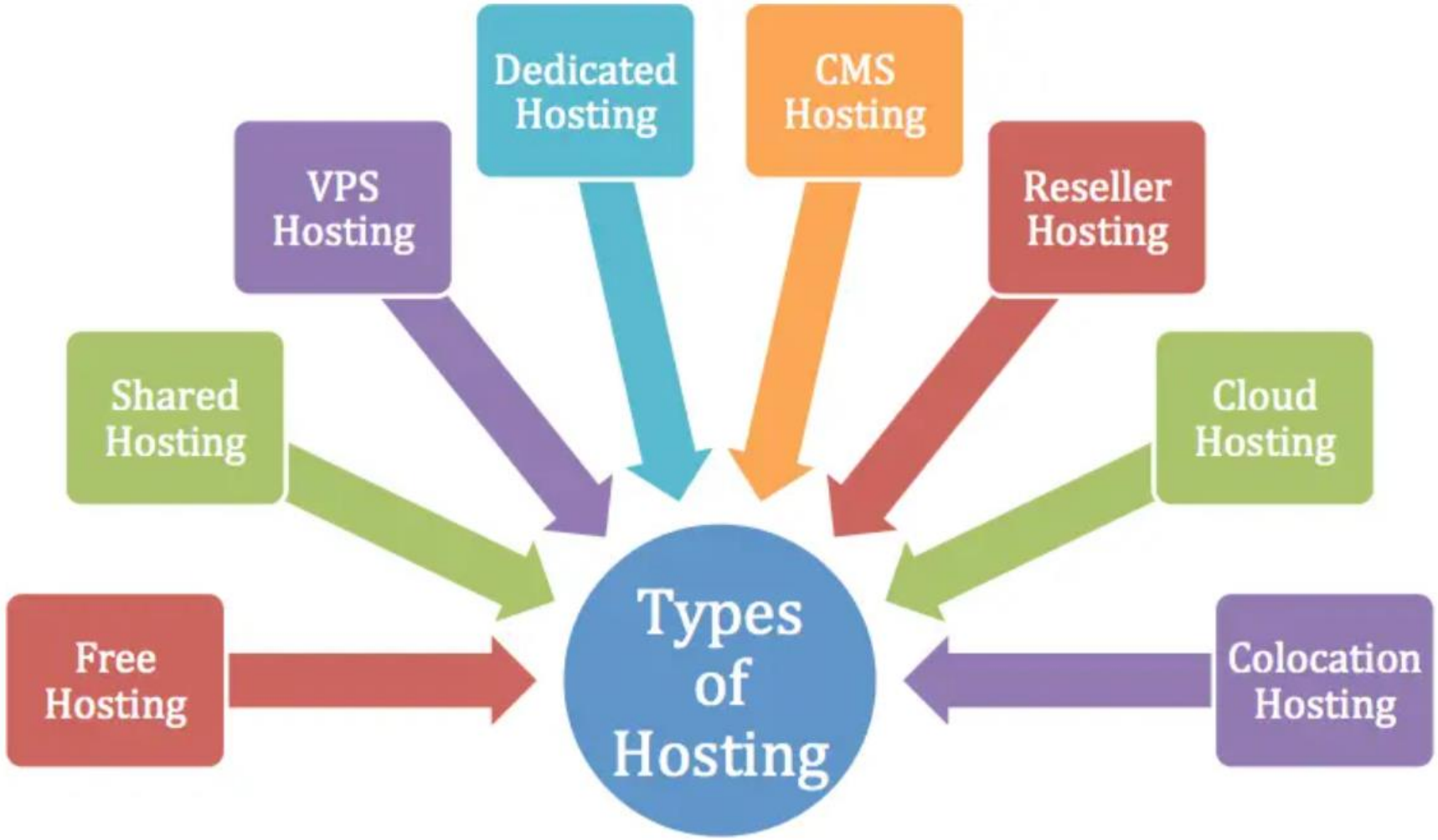
- Three
- Four

My Laptop is connected to the internet
&
Can someone connected to the internet access this file heading.html

HOW WEB HOSTING WORKS

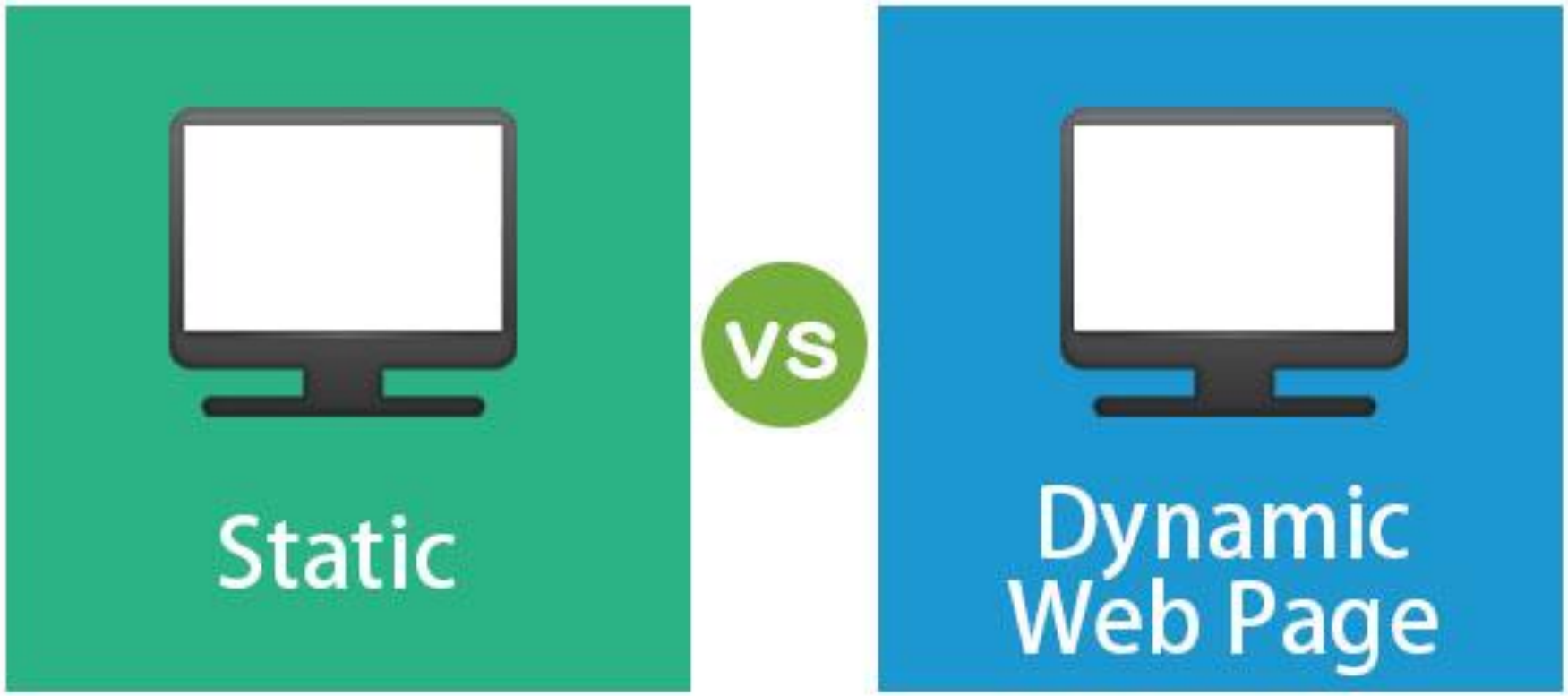


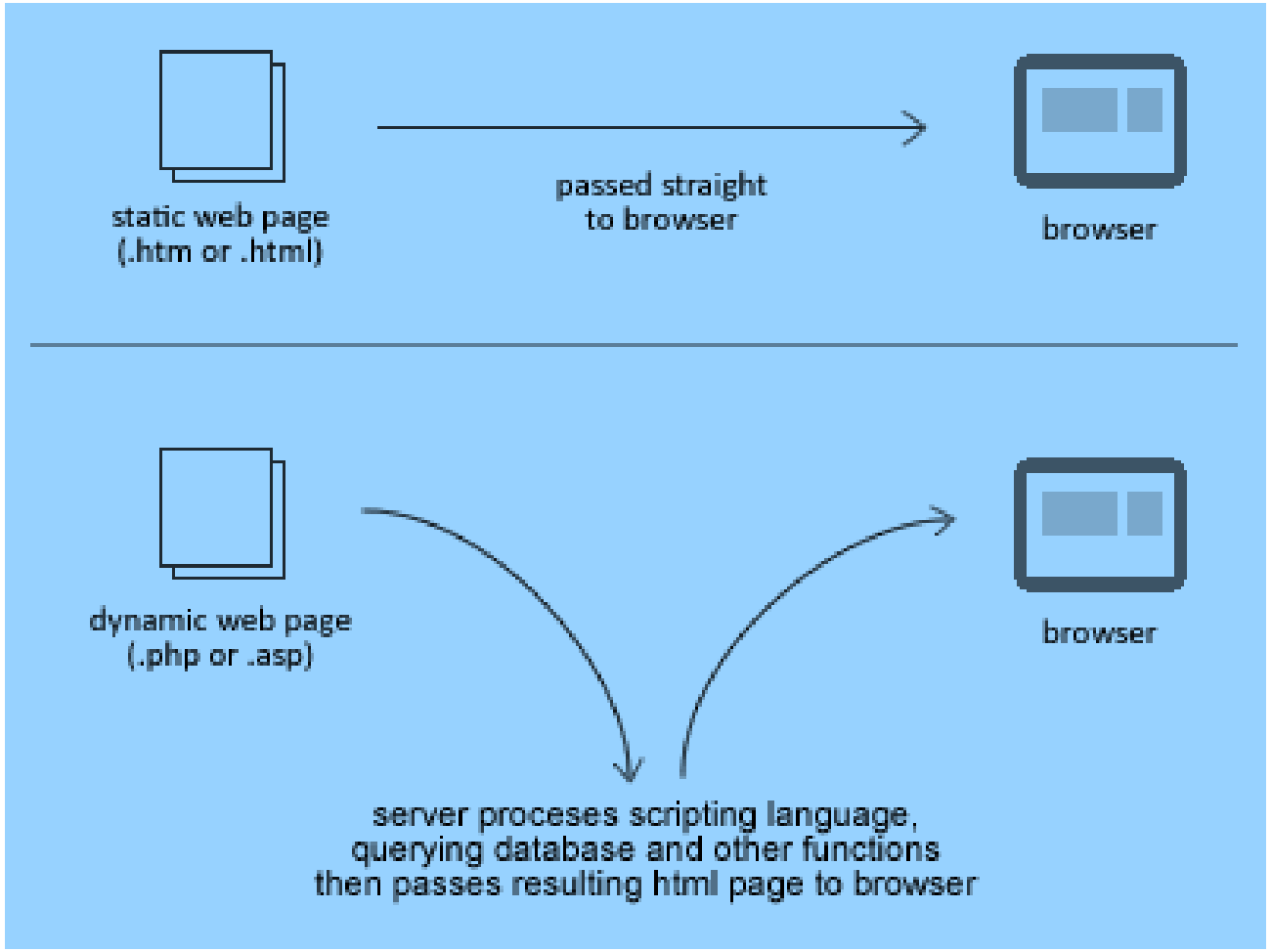
Website files are hosted on servers. The servers "serve" those files to individual computer users, upon request. The Internet makes it all possible.



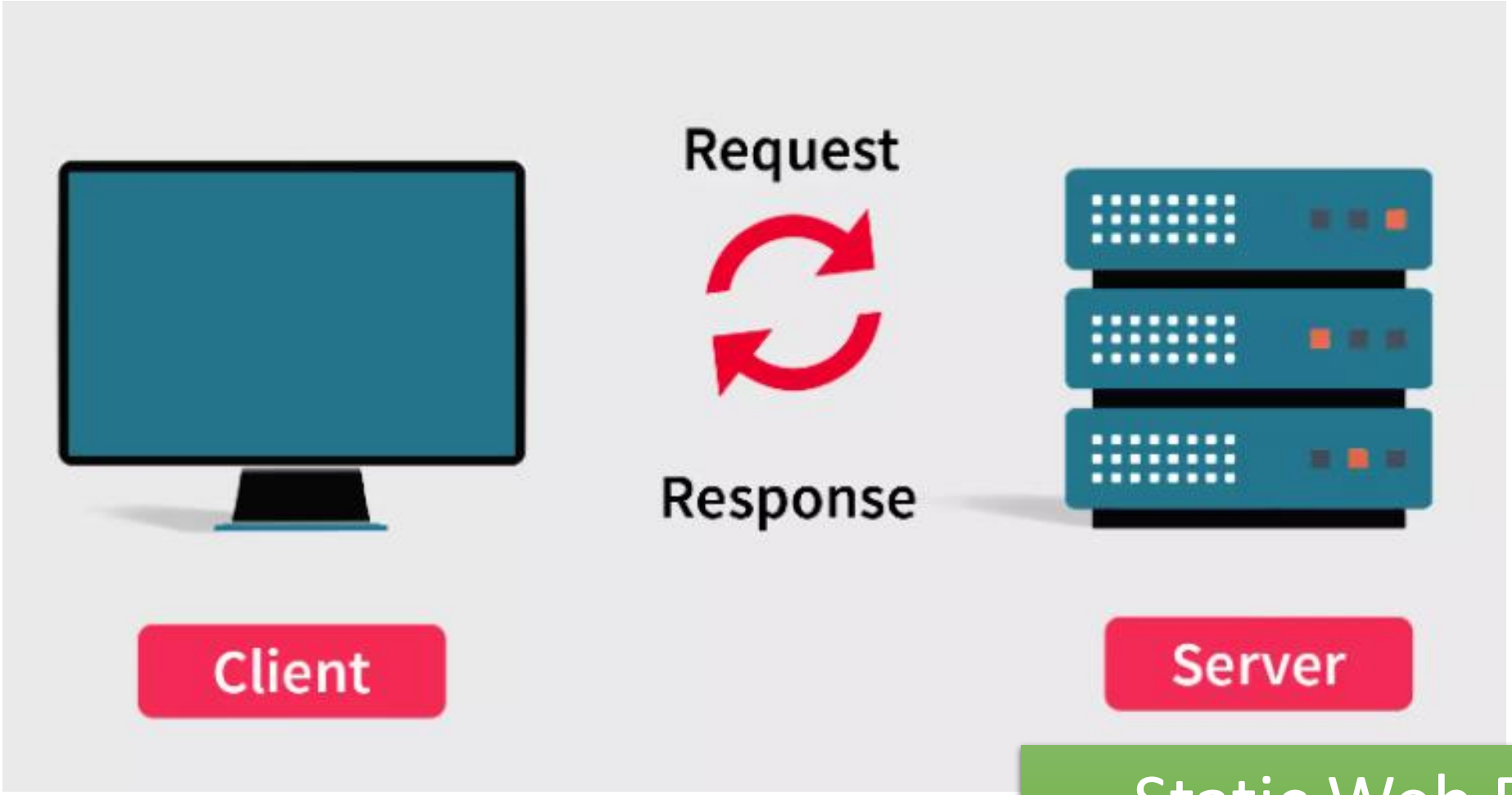
Study From : https://www.webnots.com/types-of-web-hosting/

Prereq Check


Static
VS
Dynamic
Web Page



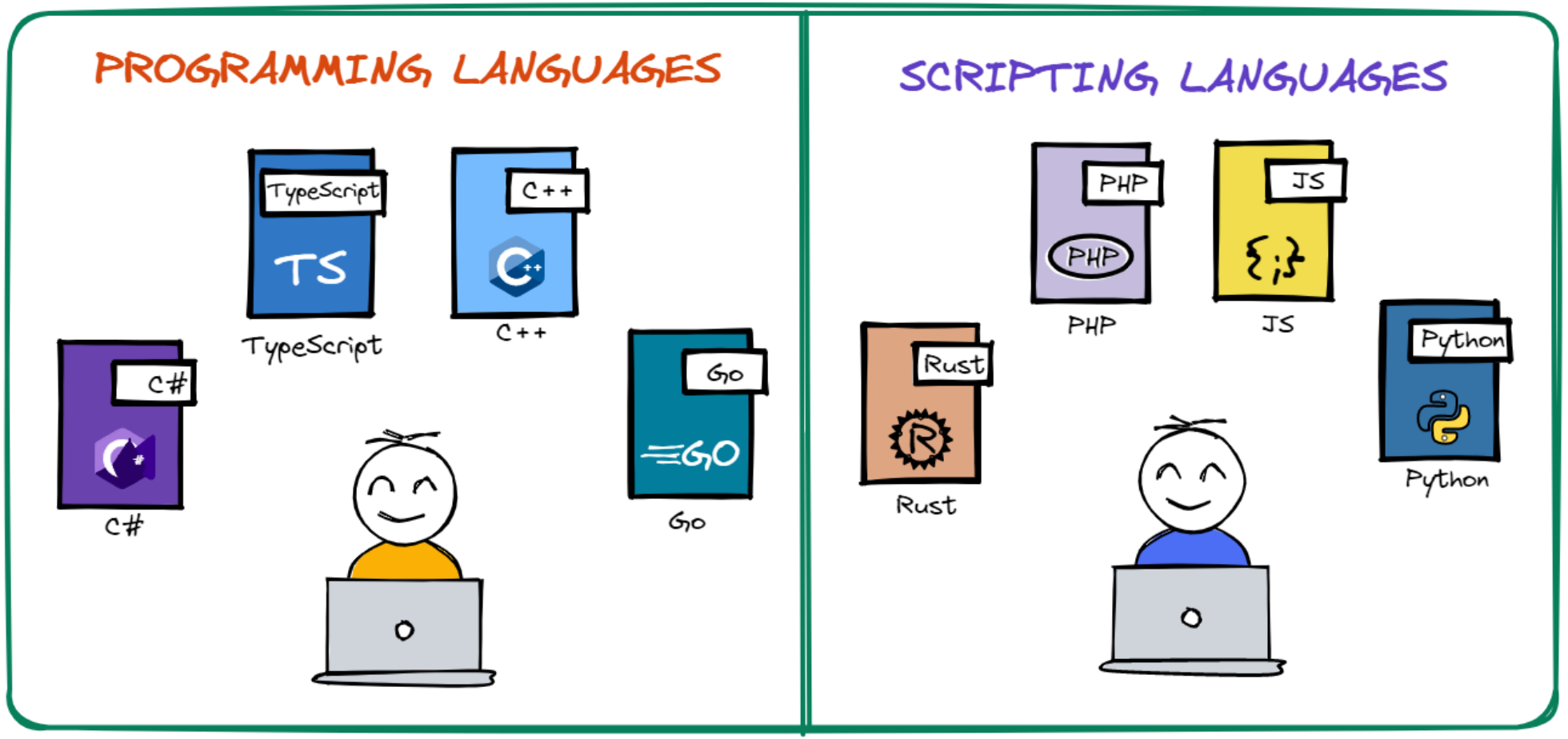
Study From: https://www.edupointbd.com/type-of-websites-static-dynamic/



Static Web Pages
&
Dynamic Web Pages

Program

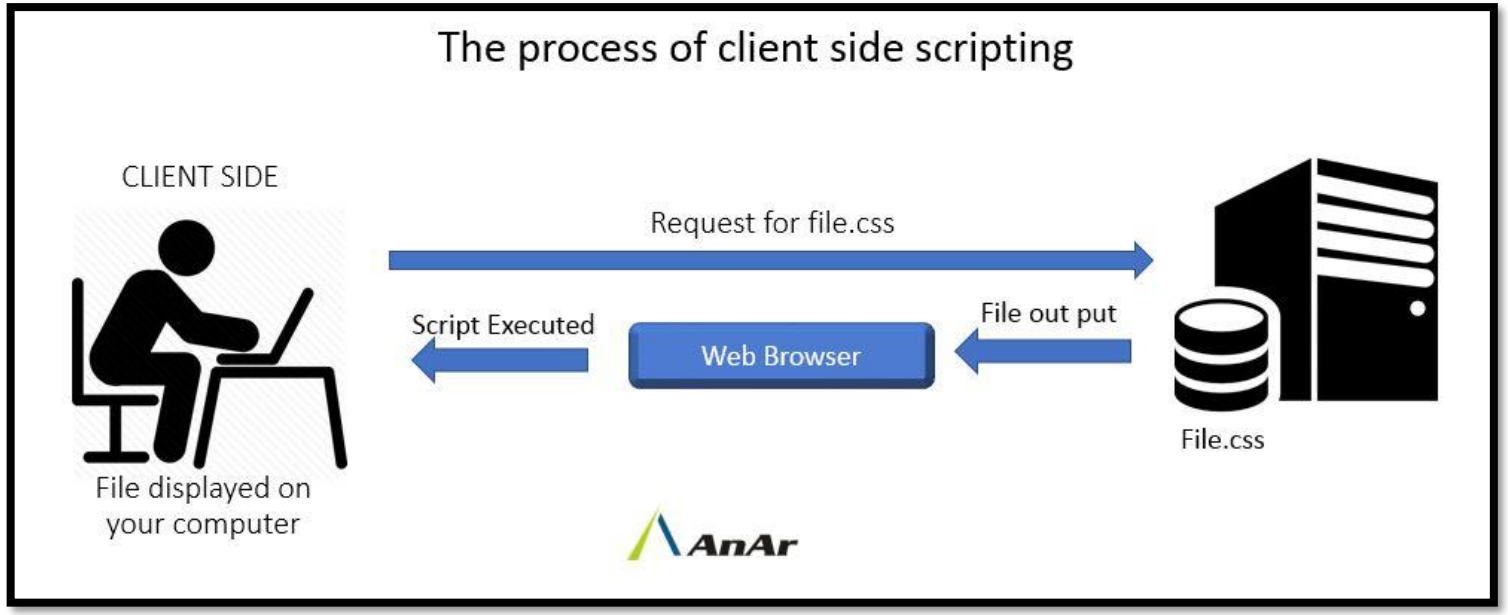
Scripts



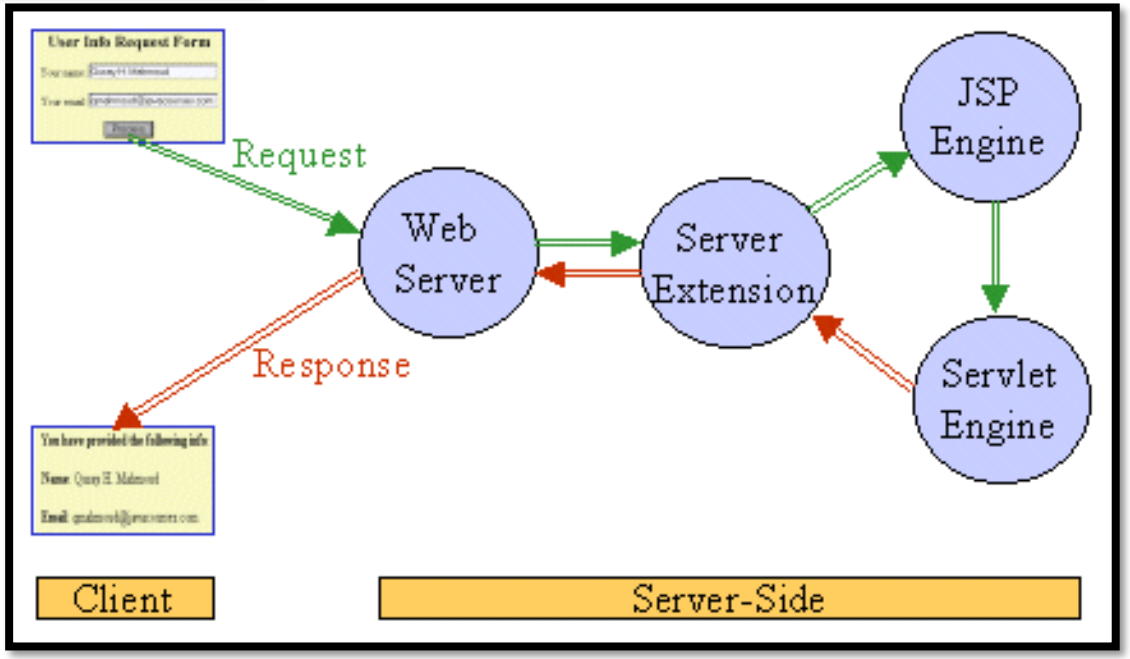
PARAMETERS	SCRIPTING LANGUAGES	PROGRAMMING LANGUAGES
Language Type	Interpreter-based languages	Compiler-based languages
Use	Aid the integration of the existing components of the application	Aid from-scratch development of applications
Compilation	Compilation is not needed	Compilation is needed
Complexity	Easy to write and use	More complex in terms of writing and usage
Conversion	Convert high-level instructions into machine language	Help in the conversion of the whole program into machine language at once
Running of Language	Program-dependent	Program-independent
Maintenance	Low maintenance	High maintenance
Cost	Relatively easy and cheap to maintain	More expensive to maintain

https://algodaily.com/lessons/scripting-vs-programming

Client vs Server Side Scripting



Client vs Server Side Scripting



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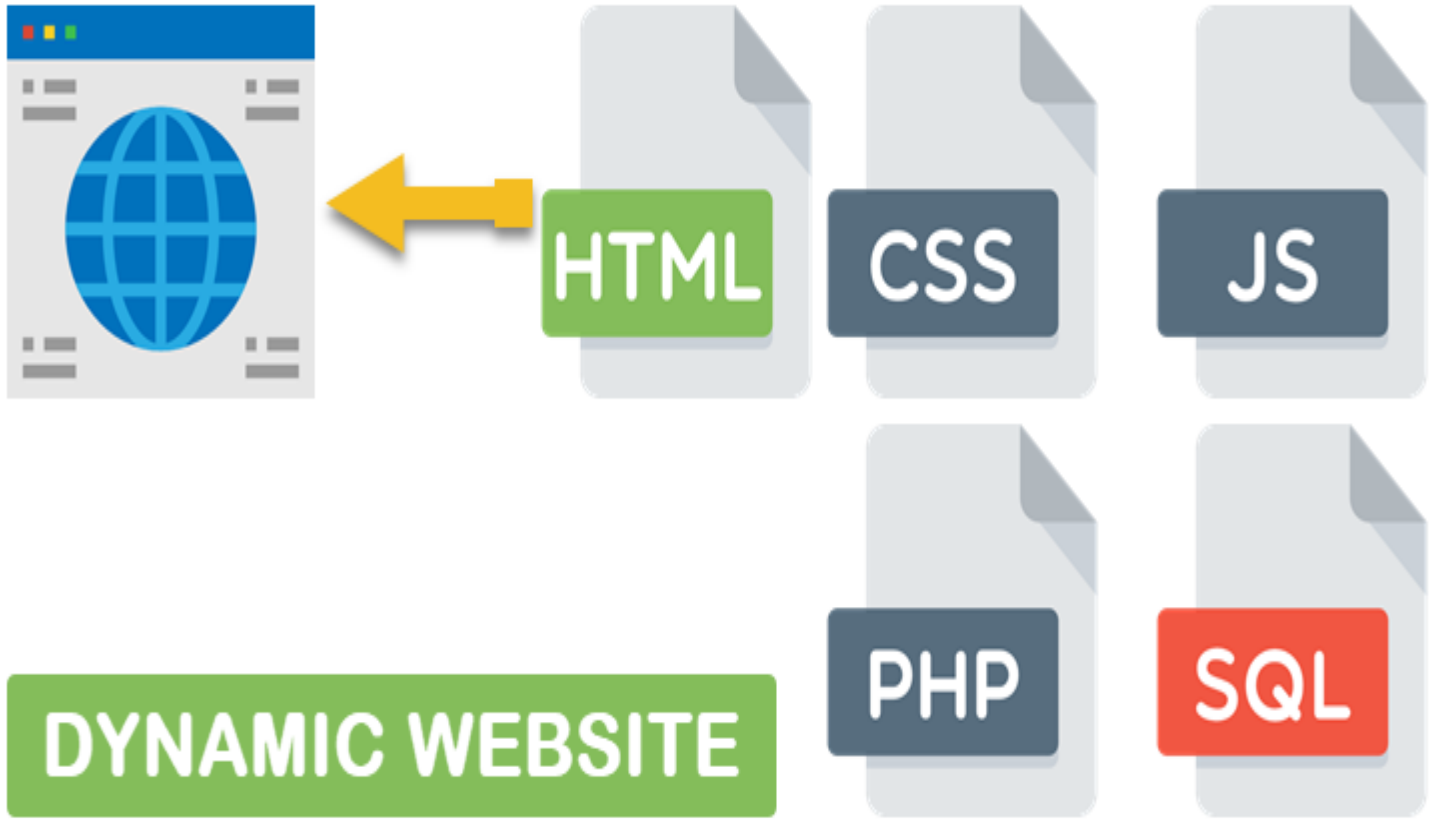
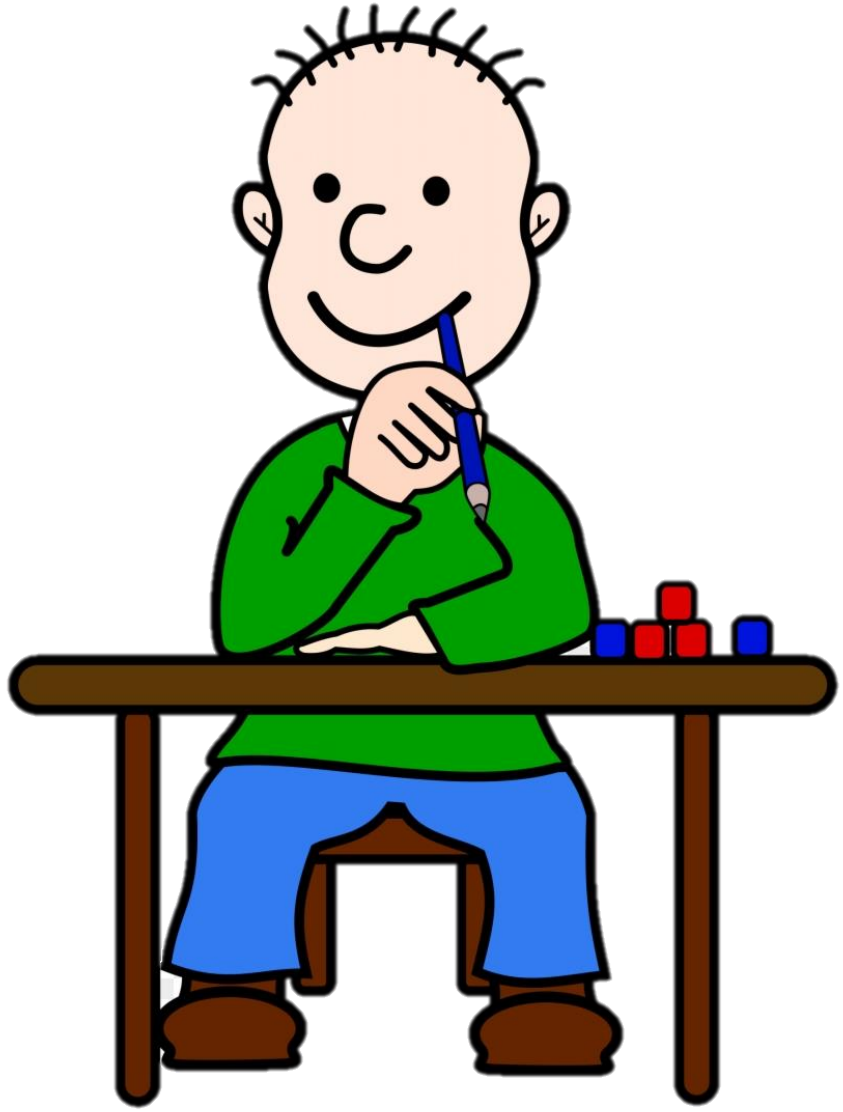
Open Mentimote
Mentimeter
List some web servers & Web Hosting Platforms in the market?
Waiting for responses ...


HTML
CSS
JS
PHP
SQL
DYNAMIC WEBSITE



Lecture #4

JavaScript – Client Side Scripting Language

Course Instructor

Dhiviya Rose J . Asst. Prof. Selection Grade

SOCS | UPES

schools
Tutorials
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Spaces
HTML CSS JAVASCRIPT SQL PYTHON JAVA PHP BOOTSTRAP HOW TO W3.CSS C C++ C# REACT
JS Strict Mode
JS this Keyword
JS Arrow Function
JS Classes
JS Modules
JS JSON
JS Debugging
JS Style Guide
JS Best Practices
JS Mistakes
JS Performance
JS Reserved Words
JS Versions
JS Versions
JavaScript Versions
❮ Previous
Next ❯
JavaScript was invented by Brendan Eich in 1995, and became an ECMA standard in 1997.
ECMAScript is the official name of the language.
ECMAScript versions have been abbreviated to ES1, ES2, ES3, ES5, and ES6.
Since 2016, versions are named by year (ECMAScript 2016, 2017, 2018, 2019, 2020).

How to add JavaScript to a webpage

- Internal JavaScript in <script> tag
- External JavaScript as *.js file

```
<script>
var a=10;
var b=20;
var c=a+b;//It adds values of a and b variable
document.write(c);//prints sum of 10 and 20
</script>
```

```
<html>
<head>
<script type="text/javascript" src="message.js"></script>
</head>
<body>
```

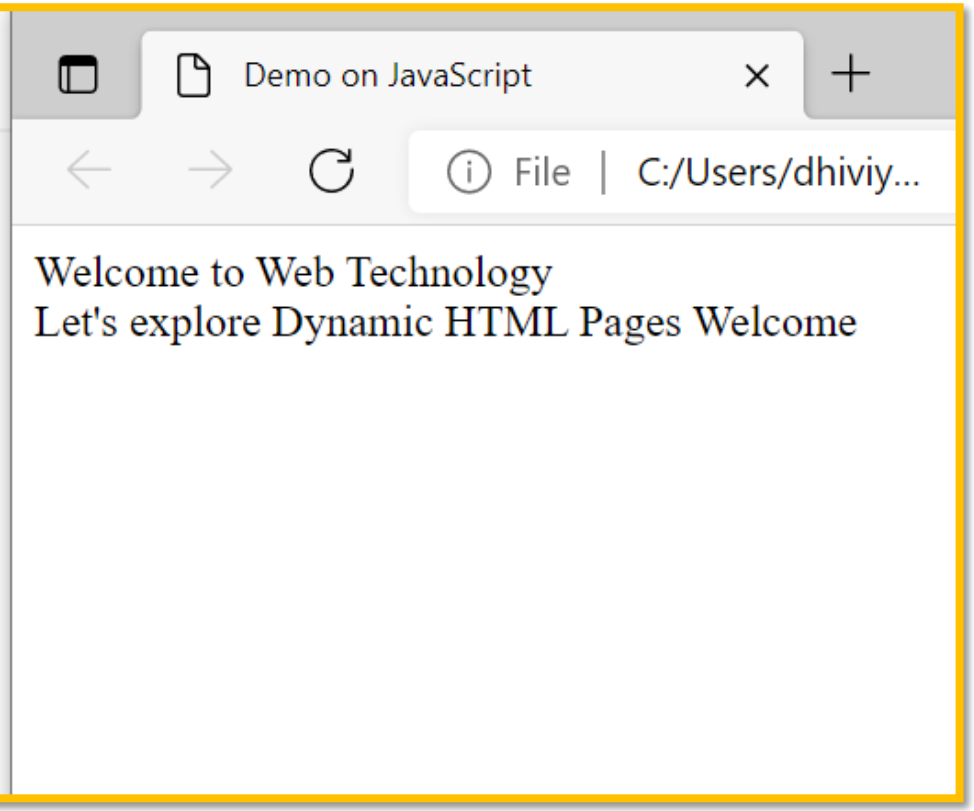
Document.write()

document.write() method of JavaScript is used to write to a web page.

javascriptdemo - Notepad

File Edit Format View Help

```
<HTML>
<head>
<title>
Demo on JavaScript
</title>
</head>
<body>
<script type="text/javascript">
document.write("Welcome to Web Technology<br>");
document.write("Let's explore Dynamic HTML Pages");
</script>
Welcome
</body>
</html>
```

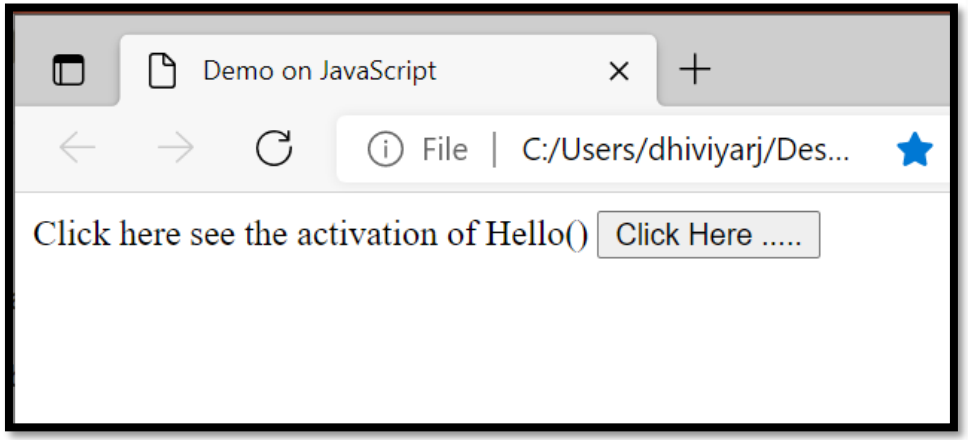


javascriptdemo - Notepad

File Edit Format View Help

```
<HTML>
<head>
<title>
Demo on JavaScript
</title>
<script type="text/javascript">
function Hello()
{
document.write("Welcome to Web Technology<br>");
document.write("Let's explore Dynamic HTML Pages");
}
</script>
</head>
<body>
<div>
<form>
Click here see the activation of Hello()
<input type=button onclick=Hello() value="Click Here
.....">
</form>
</div>
</body>
</html>
```

Writing function in JavaScript



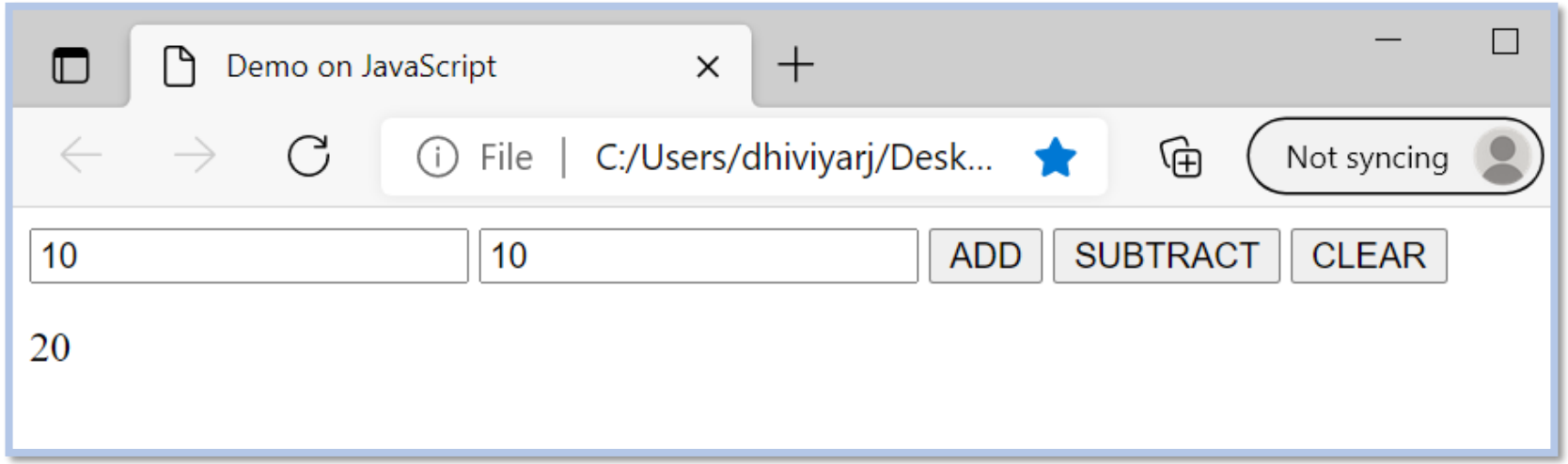
getElementByID() function

```
<script type="text/javascript">
function add()
{
v1=document.getElementById("t1").value;
v2=document.getElementById("t2").value;
n1=parseInt(v1);
n2=parseInt(v2);
ans=n1+n2;
document.getElementById("p2").innerHTML=ans;
}
```

```
<body>
<form>
<input type=text id="t1">
<input type=text id="t2">
<input type=button onclick=add() value="ADD">
<input type=button onclick=sub() value="SUBTRACT">
<input type=reset value="CLEAR">
</form>
```

Activity #1

A simple calculator App Using JavaScript

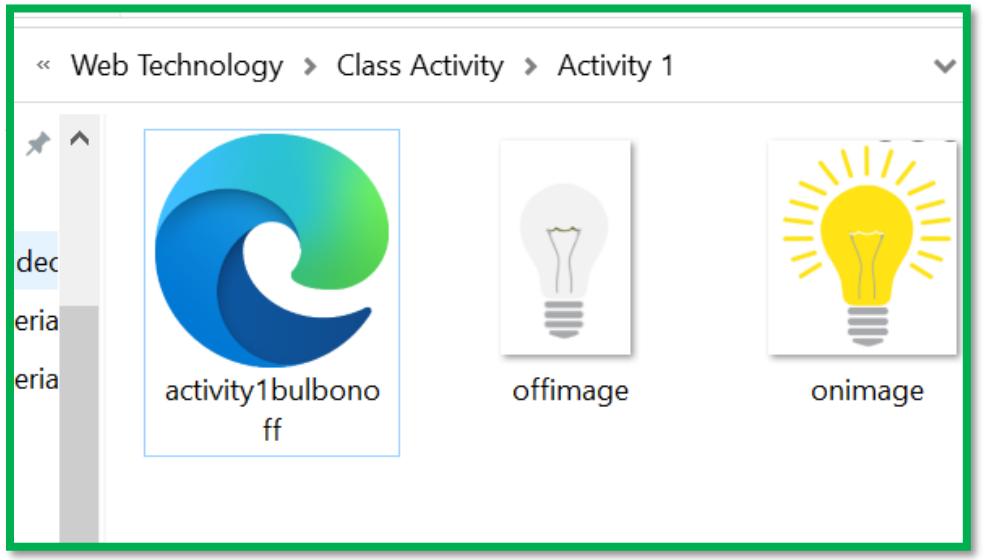


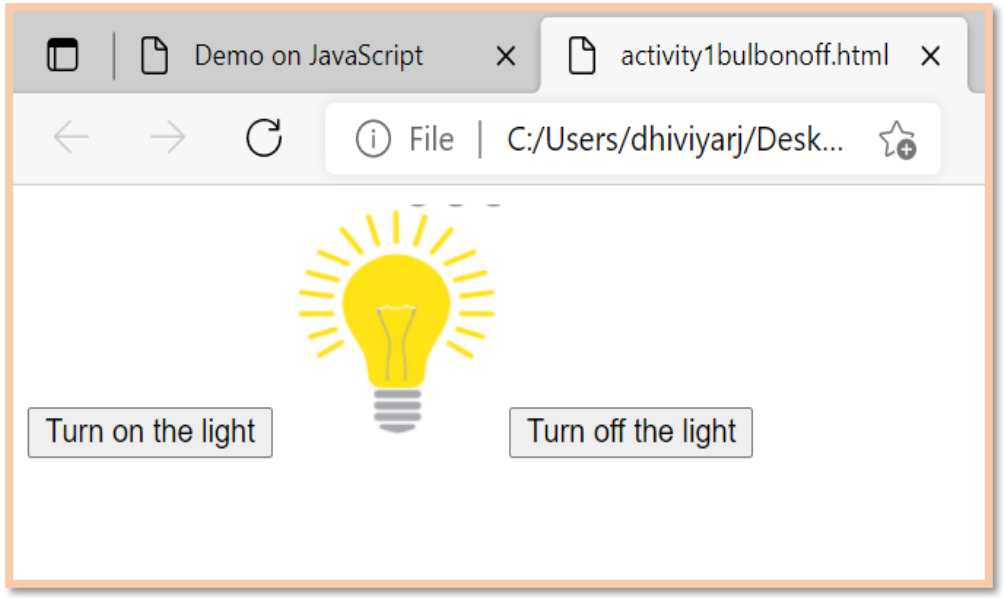

```
<script type="text/javascript">
function add()
{
v1=document.getElementById("t1").value;
v2=document.getElementById("t2").value;
n1=parseInt(v1);
n2=parseInt(v2);
ans=n1+n2;
//document.getElementById("p2").innerHTML=ans;
//document.write(ans);
alert(ans);
}
```

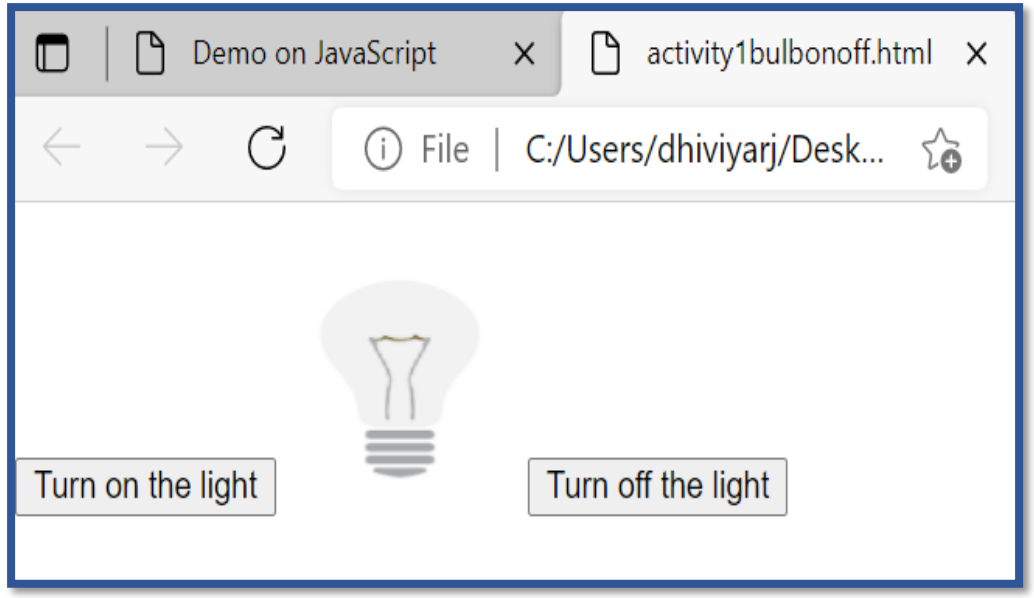
```
<body>
<form>
<input type=text id="t1">
<input type=text id="t2">
<input type=button onclick=add() value="ADD">
<input type=button onclick=sub() value="SUBTRACT">
<input type=reset value="CLEAR">
</form>
```

Activity

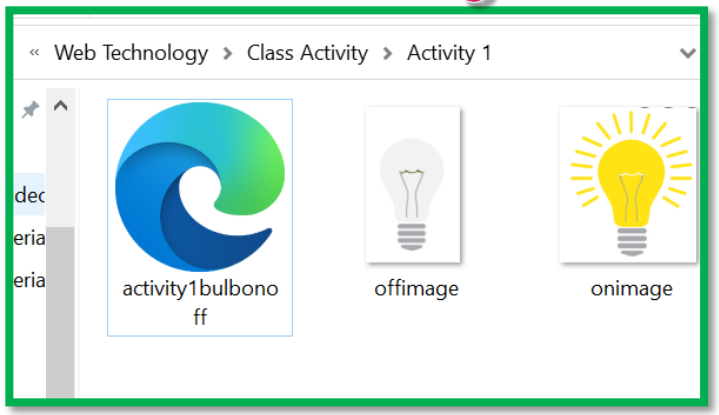
achieveit

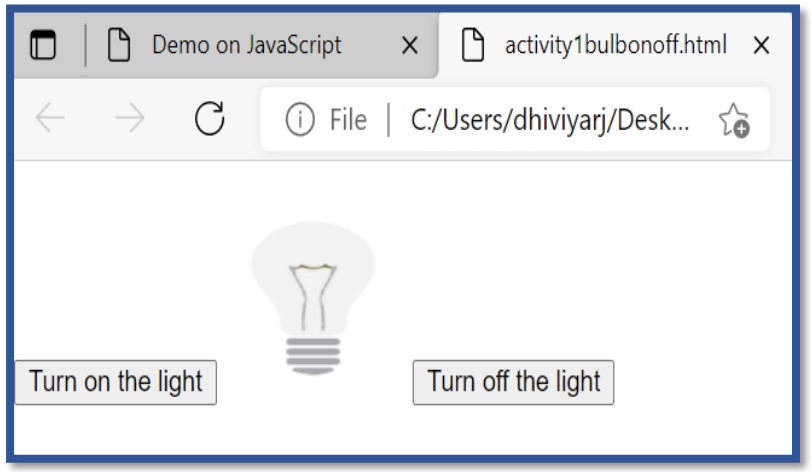


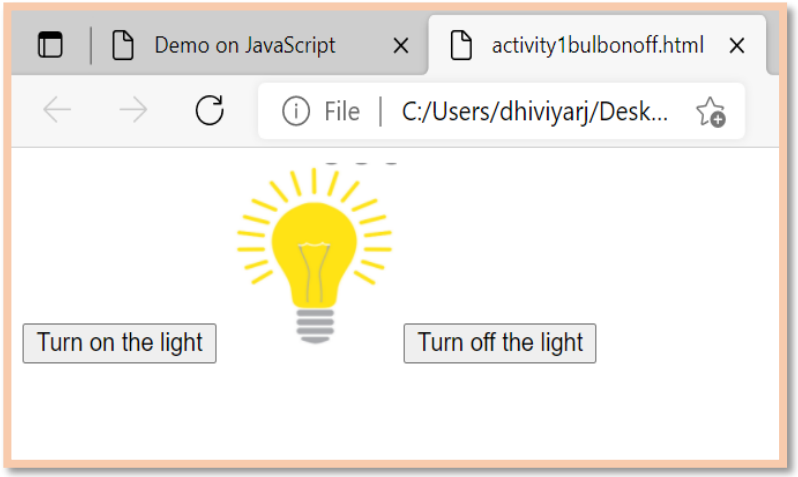




Activity #2 :







File Edit Format View Help

```
<!DOCTYPE html>
<html>
<body>

<button onclick="document.getElementById('myImage').src='onimage.png'">Turn on the light</button>

<img id="myImage" src="offimage.png" style="width:100px;height:100px">

<button onclick="document.getElementById('myImage').src='offimage.png'">Turn off the light</button>

</body>
</html>
```

Thank you