W.T. LAB-09

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1. Responsive pricing tables

HTML, CSS, Bootstrap & Modern Javascript.

Compact pricing tables with different color variations that are easy to

customize and adapt to your design.

```
<!DOCTYPE html>
<html>
<head>
        <title>Responsive Prices</title>
</head>
<body>
        <link href='https://stackpath.bootstrapcdn.com/bootstrap/5.0.0-
alpha1/css/bootstrap.min.css' rel='stylesheet'>
   <link href='' rel='stylesheet'>
   <style>body {
   background: #473947;
   padding: 30px 0
}

a{
   text-decoration: none;
}

.pricingTable {
   text-align: center;
   background: #fff;
   margin: 0 -15px;
   box-shadow: 0 0 10px #ababab;
   padding-bottom: 40px;
   border-radius: 10px;
   color: #cad0de;
   transform: scale(1);
   transition: all .5s ease 0s
}

.pricingTable:hover {
   transform: scale(1.05);
```

```css
   z-index: 1
}

.pricingTable .pricingTable-header {
   padding: 40px 0;
   background: #4682;
   border-radius: 10px 10px 20% 20%;
   transition: all .5s ease 0s
}

.pricingTable:hover .pricingTable-header {
   background: #937634
}

.pricingTable .pricingTable-header i {
   font-size: 50px;
   color: #858c9a;
   margin-bottom: 10px;
   transition: all .5s ease 0s
}

.pricingTable .price-value {
   font-size: 35px;
   color: #ff9624;
   transition: all .5s ease 0s
}

.pricingTable .month {
   display: block;
   font-size: 14px;
   color: #cad0de
}

.pricingTable:hover .month,
.pricingTable:hover .price-value,
.pricingTable:hover .pricingTable-header i {
   color: #fff
}

.pricingTable .heading {
   font-size: 24px;
   color: #ff9624;
   margin-bottom: 20px;
   text-transform: uppercase
}
```

```css
.pricingTable .pricing-content ul {
  list-style: none;
  padding: 0;
  margin-bottom: 30px
}

.pricingTable .pricing-content ul li {
  line-height: 30px;
  color: #a7a8aa
}

.pricingTable .pricingTable-signup a {
  display: inline-block;
  font-size: 15px;
  color: #fff;
  padding: 10px 35px;
  border-radius: 20px;
  background: #ffa442;
  text-transform: uppercase;
  transition: all .3s ease 0s
}

.pricingTable .pricingTable-signup a:hover {
  box-shadow: 0 0 10px #736738
}

.pricingTable.blue .heading,
.pricingTable.blue .price-value {
  color: #746739
}

.pricingTable.blue .pricingTable-signup a,
.pricingTable.blue:hover .pricingTable-header {
  background: #834738
}

.pricingTable.blue .pricingTable-signup a:hover {
  box-shadow: 0 0 10px #4b64ff
}

.pricingTable.red .heading,
.pricingTable.red .price-value {
  color: #ff4b4b
}

.pricingTable.red .pricingTable-signup a,
```

```css
.pricingTable.red:hover .pricingTable-header {
   background: #325797
}

.pricingTable.red .pricingTable-signup a:hover {
   box-shadow: 0 0 10px #ff4b4b
}

.pricingTable.green .heading,
.pricingTable.green .price-value {
   color: #40c952
}

.pricingTable.green .pricingTable-signup a,
.pricingTable.green:hover .pricingTable-header {
   background: #538623}
pricingTable.green .pricingTable-signup a:hover {
   box-shadow: 0 0 10px #40c952
}

.pricingTable.blue:hover .price-value,
.pricingTable.green:hover .price-value,
.pricingTable.red:hover .price-value {
   color: #fff
}

@media screen and (max-width:990px) {
   .pricingTable {
      margin: 0 0 20px
   }
}</style>
```

```html
 <script type='text/javascript'
src='https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js'></script>

 <script type='text/javascript' src='https://stackpath.bootstrapcdn.com/bootstrap/5.0.0-
alpha1/js/bootstrap.min.js'></script>

 <div class="demo">
   <div class="container">
     <div class="row">
       <div class="col-md-3 col-sm-6">
         <div class="pricingTable">
           <div class="pricingTable-header">
             <i class="fa fa-adjust"></i>
             <div class="price-value"> $10.00 <span class="month">per month</span>
```

```
    </div>
              </div>
              <h3 class="heading">Standard</h3>
              <div class="pricing-content">
                <ul>
                  <li><b>50GB</b> Disk Space</li>
                  <li><b>50</b> Email Accounts</li>
                  <li><b>50GB</b> Monthly Bandwidth</li>
                  <li><b>10</b> subdomains</li>
                  <li><b>15</b> Domains</li>
                </ul>
              </div>
              <div class="pricingTable-signup">
                <a href="#">sign up</a>
              </div>
            </div>
          </div>

          <div class="col-md-3 col-sm-6">
            <div class="pricingTable green">
              <div class="pricingTable-header">
                <i class="fa fa-briefcase"></i>
                <div class="price-value"> $20.00 <span class="month">per month</span>
    </div>
              </div>
              <h3 class="heading">Business</h3>
              <div class="pricing-content">
                <ul>
                  <li><b>60GB</b> Disk Space</li>
                  <li><b>60</b> Email Accounts</li>
                  <li><b>60GB</b> Monthly Bandwidth</li>
                  <li><b>15</b> subdomains</li>
                  <li><b>20</b> Domains</li>
                </ul>
              </div>
              <div class="pricingTable-signup">
                <a href="#">sign up</a>
              </div>
            </div>
          </div>
          <div class="col-md-3 col-sm-6">
            <div class="pricingTable blue">
              <div class="pricingTable-header">
                <i class="fa fa-diamond"></i>
                <div class="price-value"> $0.00 <span class="month">per month</span> </div>
              </div> <h3 class="heading">Premium</h3>
```
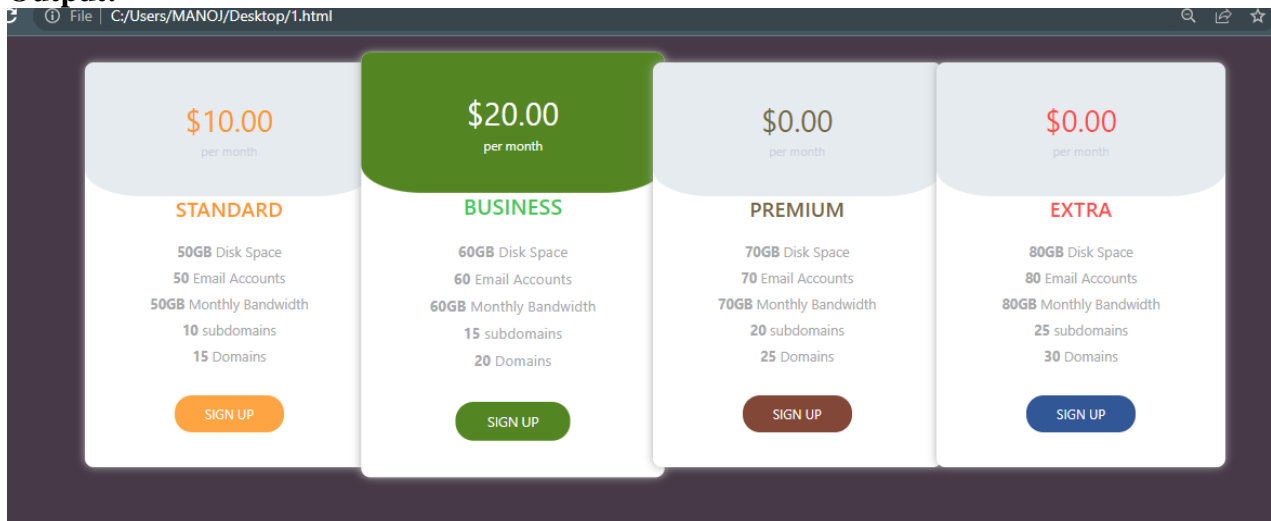
```
<div class="pricing-content">
   <ul>
       <li><b>70GB</b> Disk Space</li>
       <li><b>70</b> Email Accounts</li>
       <li><b>70GB</b> Monthly Bandwidth</li>
       <li><b>20</b> subdomains</li>
       <li><b>25</b> Domains</li>
   </ul>
</div>
<div class="pricingTable-signup">
   <a href="#">sign up</a>
</div></div> </div>
<div class="col-md-3 col-sm-6">
   <div class="pricingTable red">
     <div class="pricingTable-header">
        <i class="fa fa-cube"></i>
        <div class="price-value"> $0.00 <span class="month">per month</span> </div>
     </div>
     <h3 class="heading">Extra</h3>
     <div class="pricing-content">
        <ul>
            <li><b>80GB</b> Disk Space</li>
            <li><b>80</b> Email Accounts</li>
            <li><b>80GB</b> Monthly Bandwidth</li>
            <li><b>25</b> subdomains</li>
            <li><b>30</b> Domains</li>
        </ul>
     </div>
     <div class="pricingTable-signup">
        <a href="#">sign up</a>
</div></div> </div> </div></div></div></body></html>
```
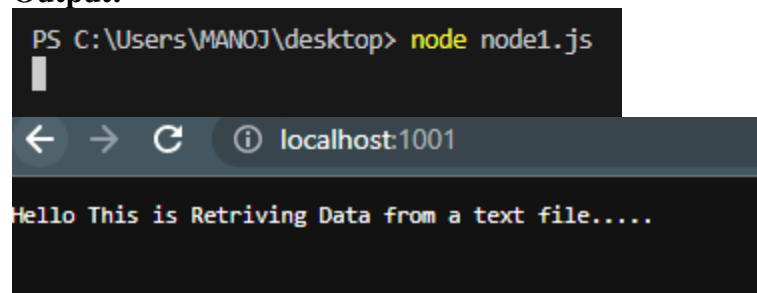
Output:-

2. Write a Node js program to How to Access the File System in Node.js(all fs methods)?

Create a Node.js file that reads the HTML file, and return the content:

```
var http = require("http");
var fs = require("fs");

http.createServer((req,res)=>{
        fs.readFile("jsnode.txt",function(err,data){
                // res.writeHead(200, {'Content-Type': 'text/html'});
                res.write(data);
                res.end();
        })
}).listen(1001);
```

Output:-

```
PS C:\Users\MANOJ\desktop> node node1.js
```

```
← → C  ⓘ localhost:1001
```

```
Hello This is Retriving Data from a text file.....
```
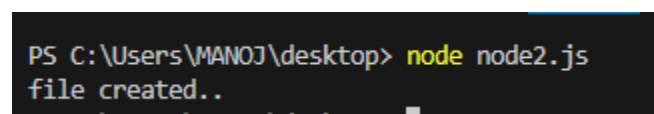
Create a new file using the appendFile() method:

```
var fs = require('fs');

fs.appendFile('node2.txt', 'File create by using appendFile method!', function (err) {
  if (err) throw err;
  console.log('file created..');
});
```

Output:-

```
PS C:\Users\MANOJ\desktop> node node2.js
file created..
```

Create a new, empty file using the open() method:

```
var fs = require('fs');

fs.open('node3.txt', 'w', function (err, file) {
```

```
  if (err) throw err;
  console.log('file created..'); });
```

Output:-

```
PS C:\Users\MANOJ\desktop> node node3.js
file created..
PS C:\Users\MANOJ\desktop>
```

Create a new file using the writeFile() method:

```
var fs = require('fs');
fs.writeFile('node4.txt', 'file created by writeFile method', function (err) {
  if (err) throw err;
  console.log('file created...');
});
```

Output:-

```
PS C:\Users\MANOJ\desktop> node node4.js
file created...
PS C:\Users\MANOJ\desktop>
```

Delete "node4.txt":

```
var fs = require('fs');
fs.unlink('node4.txt', function (err) {
 if (err) throw err;
console.log('File deleted!');
});
```

Output:-

```
PS C:\Users\MANOJ\desktop> node node5.js
File deleted!
PS C:\Users\MANOJ\desktop>
```

Rename "node3.txt" to "renamed.txt":

```
var fs = require('fs');
fs.rename('node3.txt', 'renamed.txt', function (err) {
 if (err) throw err;
console.log('renamed successful');
});
```

Output:-

```
PS C:\Users\MANOJ\desktop> node renamenode.js
renamed successful
PS C:\Users\MANOJ\desktop>
```

3. How to send different HTML files based on query parameters in Node.js?

The following approach covers how to send different HTML files based on the query parameters in Node.js

Approach: The task can be easily fulfilled by receiving the query parameters and map different HTML files with the respective parameters.

Step 1: Create your project folder and install the express module using the following command: npm install express

Step 2: Create a main.js file in the root directory of your project and write down the following code in it.

4. Write a Nodejs program to use URL module?

```
const http = require("http");
const url = require("url");
const PORT = 8000;
const server = http.createServer(function (req, res) {
 const header = { "Content-Type": "application/json" };
 const parsed = url.parse(req.url, true);
 const { pathname, query } = parsed;
 const message = query?.message;
 if (pathname === "/") {
 res.writeHead(200, header);
 res.write(JSON.stringify({ message: message }));
 }
 else {
 res.writeHead(400, header);
 res.write(JSON.stringify({ error: "Bad req" }));
 }
 res.end();
});
server.listen(PORT);
console.log(`Listening at port ${PORT}`);
```

Output:-

```
PS C:\Users\MANOJ\desktop> node urlnode.js
Listening at port 8000
```

5. Create a local module for performing all arithmetic operations and used in another file called arithmetic.js file to access them.

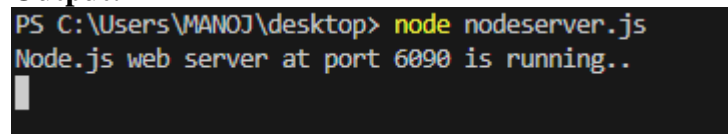**code for arthimatic operations**

```
function add(a, b) {
  return a + b;
  }
  function subtract(a, b) {
   return a - b;
  }
  function multiply(a, b) {
   return a * b;
  }
  function divide(a, b) {
   return a / b;
  }
  module.exports = {
   add,
   subtract,
   multiply,
   divide,
  };
const arithmetic = require('./arithmetic');
const result1 = arithmetic.add(9, 3);
console.log(result1); // Output: 12
const result2 = arithmetic.subtract(10, 8);
console.log(result2); // Output: 2
const result3 = arithmetic.multiply(2, 4);
console.log(result3); // Output: 8
const result4 = arithmetic.divide(10,5);
console.log(result4); // Output: 2
```

6. How to Build a Simple Web Server with Node.js?

```
var http = require('http');
var server = http.createServer(function (req, res) {
});
server.listen(6090);
console.log('Node.js web server at port 6090 is running..')
```

Output:-


```
PS C:\Users\MANOJ\desktop> node nodeserver.js
Node.js web server at port 6090 is running..
```