



HMR INSTITUTE OF TECHNOLOGY & MANAGEMENT
Hamidpur, Delhi-110036

(An iso 9001:2008 certified, AICTE approved & GGSIP university affiliated institute)

WEB ENGINEERING LAB



Submitted To:

Mr Anupam

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(IT Department)

Submitted By:

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(41113303118)

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HMR INSTITUTE OF TECHNOLOGY AND MANAGEMENT

HAMIDPUR, DELHI 110036

Affiliated to

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY Sector - 16C
Dwarka, Delhi - 110075, India 2018-2022



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2	Write a program to create a HTML web page using frames to include images, tables and hyperlinks.	6	13-04-2021	20-04-2021	
3	Write a program to create a HTML web page by applying inline, internal and external CSS.	11	13-04-2021	20-04-2021	
4	Write a program to create a form page (Login and Signup page) using HTML and CSS	18	22-04-2021	19-05-2021	
5	Write a program to create a simple multiplication table by asking the user using Javascript.	26	19-05-2021	26-05-2021	
6	<p>Write a program to enter the name of the student and marks of 5 subjects of the student, student name and marks will be given by the user then these marks are used to determine the corresponding grades.</p> <p>Range of Grades: ≥90 A ≥80 B ≥70 C ≥60 D</p> <p>The name of the student should be displayed in capitals (convert lowercase to uppercase).</p>	30	02-06-2021	09-06-2021	



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7	Write a Program to get the addition of two random numbers between 1 and 100. > if the result of sum is not less than 100 then print "Try Again!" and the program will continue running till getting less than 100. > if the result of sum is less than 100 then print "Gotcha!".	35	03-06-2021	09-06-2021	
8	Design a website on the basis of your adopted theme, which has atleast required 5 web pages - home, about us, contact us, product/services/facilities, login and signup. You can use more than the required pages if you need.	38	09-06-2021	16-06-2021	



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EXPERIMENT-1

AIM :-

Write a program to create a html webpage to demonstrate the use of different tags

PROGRAM :-

- home.html

```
<html>
<head>
<title> home </title>
</head>
<body bgcolor="brown">
<h1> <font size="7" color="white"> <center> <b> TYAGI INTERNATIONAL
SCHOOL <br> <font size="6" color="white"> <center> <b> Ganaur, Sonapat, Haryana
131101 </b> </center> </font> </b> </center> </font> </h1>
<hr size="20" color="lightgreen">
<a href="home.html"><font color="white"> <b> HOME </b> </font> </a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a href="about.html"><font color="white"><b>ABOUT US </b> </font> </a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a href="facility.html"><font color="white"> <b> FACILITIES </b> </font> </a>
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a href="help.html"> <font color="white"> <b>HELP DESK </b> </font> </a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<hr size="20" color="lightgreen">
<h2> <marquee><font size="6" color="white"> <center> <b>WELCOME TO OUR
SCHOOL </b> </center> </font> </marquee> </h2>
<center> 
</center>
<p> <b>Tyagi International School prepares students to understand, contribute to, and
succeed in a rapidly changing society, thus making the world a better and more just
place. We will ensure that our students develop both the skills that a sound education
provides and the competencies essential for success and leadership in the emerging
creative economy. We will also lead in generating practical and theoretical knowledge
that enables student to better understand our world. We are and will be a university
where design and social research drive approaches to studying issues of our time, such
as democracy, urbanization, technological change, sustainability, migration, and
globalization. We will be the preeminent intellectual and creative center for effective
engagement in a world that increasingly demands better-designed objects,
communication, systems, and organizations to meet social needs. </b> </p>
<hr size="20" color="lightgreen">
<h6> <font size="5" color="white"> <b> Made by Nitin Tyagi </b> </font> </h6>
</body>
</html>
```



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- **about.html**

```
<html>
<head>
<title>about </title>
</head>
<body bgcolor="brown">
<h1> <font size="7" color="white"> <center><b> ABOUT US </b> </center> </font>
</h1>
<hr size="20" color="lightgreen">
<a href="home.html"> <font color="white"> <b> HOME </b> </font> </a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a href="about.html"> <font color="white"> <b> ABOUT US </b> </font> </a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a href="facility.html"><font color="white"> <b> FACILITIES </b> </font> </a>
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a href="help.html"> <font color="white"> <b> HELP DESK </b> </font> </a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<hr size="20" color="lightgreen">
<br>

<align="right"> <p> What distinguishes a great school from a good school? I believe
that clarity of purpose, exceptional teachers, and demonstrated outcomes are hallmarks
of great schools. A great school is a place with a deep commitment to student learning,
where faculty nourish the intellectual, moral, emotional, and social growth of every
student. It is a place where students, teachers, and parents embark together on an
academic journey with clear and well-defined objectives. It is filled with the joy of
discovery and the excitement of personal challenge and growth. It is a community
dedicated to developing strength of character and excellence in all dimensions of its
students' lives. And it is a place that has a distinctive and lasting impact. <br> The
Lakshya International School strives to be a great school. Our mission, simply put, is to
prepare students for lives of purpose, achievement, and generosity of spirit. Our talented
faculty are experts in their disciplines with a deep commitment to student success; they
truly get to know each child, providing the challenge, support, and encouragement that
fosters learning and personal growth. Our rigorous program of inquiry and study
empowers students to exercise their intellectual curiosity, expand their understanding,
and develop critical skills for future success. And our emphasis on character and values
challenges each student to be a person of integrity, a contributing member of our school
community, and a thoughtful and involved citizen of the world. </b> </p> </align>
<br> <br> <br> <br>
<hr size="20" color="lightgreen">
<h6> <font size="5" color="white"> <b> Made by Nitin Tyagi </b> </font> </h6>
</body>
</html>
```

- **facility.html**



- **help.html**

<html>



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← → ↻ 🔍 File | C:/Users/hp/Desktop/about.html

ABOUT US

HOME ABOUT US FACILITIES HELP DESK



What distinguishes a great school from a good school? I believe that clarity of purpose, exceptional teachers, and demonstrated outcomes are hallmarks of great schools. A great school is a place with a deep commitment to student learning, where faculty nourish the intellectual, moral, emotional, and social growth of every student. It is a place where students, teachers, and parents embark together on an academic journey with clear and well-defined objectives. It is filled with the joy of discovery and the excitement of personal challenge and growth. It is a community dedicated to developing strength of character and excellence in all dimensions of its students' lives. And it is a place that has a distinctive and lasting impact.

The Lakshya International School strives to be a great school. Our mission, simply put, is to prepare students for lives of purpose, achievement, and generosity of spirit. Our talented faculty are experts in their disciplines with a deep commitment to student success; they truly get to know each child, providing the challenge, support, and encouragement that fosters learning and personal growth. Our rigorous program of inquiry and study empowers students to exercise their intellectual curiosity, expand their understanding, and develop critical skills for future success. And our emphasis on character and values challenges each student to be a person of integrity, a contributing member of our school community, and a thoughtful and involved citizen of the world.

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← → ↻ 🔍 File | C:/Users/hp/Desktop/facility.html

FACILITIES

HOME ABOUT US FACILITIES HELP DESK

Smart Classroom	
Labs	
Transport	

Made by Nitin Tyagi

← → ↻ 🔍 File | C:/Users/hp/Desktop/help.html

CONTACT US

HOME ABOUT US FACILITIES HELP DESK



Tyagi International School Aff. no. 5315567
Ganaur Road, District Sonapat [Haryana]-131101
Phone: +918312345678 , +917981234560
Email: tyagiinternationalschool@gmail.com

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EXPERIMENT - 2

AIM :-

Write a program to create a HTML web page using frames to include images, tables and hyperlinks.

PROGRAM :-

- web.html

```
<html>
<head>
<title>Web2</title>
</head>
<frameset cols="30%,70%">
<frame src="introduction.html">
<frameset rows="40%,60%">
<frame src="Result.html">
<frameset cols="50%,50%">
<frame src="subject.html">
<frame src="Job.html">
</frameset>
</frameset>
</frameset>
</html>
```

- introduction.html

```
<html>
<head>
<title>introduction</title>
</head>
<body bgcolor="#FF9E79">
<h1> <font size="6"> <center> <b> TYAGI INTERNATIONAL SCHOOL </b>
</center> </font> </h1>
<hr size="20" color="green">

<br><p>The Lakshya International School strives to be a great school. Our mission,
simply put, is to prepare students for lives of purpose, achievement, and generosity
of spirit. Our talented faculty are experts in their disciplines with a deep commitment
to student success; they truly get to know each child, providing the challenge,
support, and encouragement that fosters learning and personal growth. Our rigorous
program of inquiry and study empowers students to exercise their intellectual
curiosity, expand their understanding, and develop critical skills for future success.
```



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And our emphasis on character and values challenges each student to be a person of integrity, a contributing member of our school community, and a thoughtful and involved citizen of the world.

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- result.html**

```
<html>
<head>
<title>Result</title>
</head>
<body bgcolor="#FBA465">
<h1> <font size="6"> <center><b>SCHOOL TOPPERS 2021</b> </center>
</font> </h1>
<table border="4" cellspacing="0" cellpadding="10">
  <thead>
    <th>Roll No</th>
    <th>Name</th>
    <th>ETCS-302</th>
    <th>ETCS-304</th>
    <th>ETCS-308</th>
    <th>ETEE-212</th>
    <th>ETCS-301</th>
    <th>ETCS-305</th>
    <th>ETCS-309</th>
    <th>ETEE-213</th>
    <th>ETSS-250</th>
    <th>Percentage(%)</th>
  </thead>
  <tbody>
    <tr>
      <td>35513303118</td>
      <td>Prince</td>
      <td>88</td>
      <td>89</td>
      <td>99</td>
      <td>97</td>
      <td>99</td>
      <td>97</td>
      <td>95</td>
      <td>94</td>
      <td>100</td>
      <td>95.33</td>
    </tr>
  </tbody>
</table>
```



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```
<td>40713303118</td>
<td>shreyas</td>
<td>92</td>
<td>99</td>
<td>90</td>
<td>93</td>
<td>90</td>
<td>99</td>
<td>91</td>
<td>95</td>
<td>95</td>
<td>93.78</td>
</tr>
<tr>
<td>41113303118</td>
<td>Nitin</td>
<td>94</td>
<td>94</td>
<td>94</td>
<td>94</td>
<td>99</td>
<td>96</td>
<td>98</td>
<td>98</td>
<td>100</td>
<td>96.33</td>
</tr>
</tbody>
</table>
</body>
</html>
```

- **subject.html**

```
<html>
<head>
<title>Subject</title>
</head>
<body bgcolor="#FFD1A9">
<div style="border:10px solid green">
<h1><font size="6"><center><b>SUBJECTS</b></center></font></h1>
<ul type="disc">
<li>
<b>Theory Papers</b><br>
<ol type="I">
<li>ETCS-302 - English</li>
<li>ETCS-304 - Physics</li>
<li>ETCS-308 - Chemistry</li>
```



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```
<li>ETEE-212 - Maths</li>
</ol>
</li><br>
<li>
  <b>Practical/Viva Voice</b><br>
  <ol type="I">
    <li>ETCS-301 - English Communication Lab</li>
    <li>ETCS-305 - physics Lab</li>
    <li>ETCS-309 - Chemistry Lab</li>
    <li>ETEE-213 - Maths Lab</li>
    <li>ETSS-250 - NCC/NSS*#</li>
  </ol>
</li><br><br>
<li><i>
  *NCC/NSS can be completed in any class from class 9 - class 4
</i></li>
<li>#NBUS(Non Board Examination System)</li>
</ul>
<br>
</div>
</body>
</html>
```

- **query.html**

```
<html>
<head>
  <title>A Form</title>
</head>
<div style="border:10px solid green">
<body bgcolor="#FF9E79">
<form>
  <font size="+1" face="Times New Roman">
<h1><font size="6"><center><b>FOR CONTACT US</b></center></font></h1>
<div><center>
  <label>Name :</label>
    <input type="text"><br><br>
  <label>Date Of Birth :</label>
    <input type="date"><br><br>
  <label>Choose Gender :</label>
  <label>
    <input type="radio" name="Gender" value="Male" id="Gender_0">Male
  </label>
  <label>
    <input type="radio" name="Gender" value="Female"
id="Gender_1">Female
  </label><br><br>
  <label>Contact No. :</label>
```



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```
<input type="tel"><br><br>
<label>Occupation:</label>
<input type="text"><br><br>
<label>Query</label>
<textarea></textarea><br><br>
<input type="submit" style="font-size : 20px;"><br>
</center></div>
</font>
</form>
</div>
</body>
</html>
```

OUTPUT :-

TYAGI INTERNATIONAL
SCHOOL

The Lakshya International School strives to be a great school. Our mission, simply put, is to prepare students for lives of purpose, achievement, and generosity of spirit. Our talented faculty are experts in their disciplines with a deep commitment to student success; they truly get to know each child, providing the challenge, support, and encouragement that fosters learning and personal growth. Our rigorous program of inquiry and study empowers students to exercise their intellectual curiosity, expand their understanding, and develop critical skills for future success. And our emphasis on character and values challenges each student to be a person of integrity, a contributing member of our school community, and a thoughtful and involved citizen of the world.

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SCHOOL TOPPERS 2021

Roll No	Name	ETCS-302	ETCS-304	ETCS-308	ETEE-212	ETCS-301	ETCS-305	ETCS-309	ETEE-213	ETSS-250	Percentage(%)
35513303118	Prince	88	89	99	97	99	97	95	94	100	95.33
40713303118	shreyas	92	99	90	93	90	99	91	95	95	93.78
41113303118	Nitin	94	94	94	94	99	96	98	98	100	96.33

SUBJECTS

- Theory Papers
 - I. ETCS-302 - English
 - II. ETCS-304 - Physics
 - III. ETCS-308 - Chemistry
 - IV. ETEE-212 - Maths
- Practical/Viva Voice
 - I. ETCS-301 - English Communication Lab
 - II. ETCS-305 - physics Lab
 - III. ETCS-309 - Chemistry Lab
 - IV. ETEE-213 - Maths Lab
 - V. ETSS-250 - NCC/NSS*#

*NCC/NSS can be completed in any class from class 9 - class 4
#NBUS(Non Board Examination System)

FOR CONTACT US

Name :

Date Of Birth :

Choose Gender : ☒ Male ☐ Female

Contact No. :

Occupation:

Query





- **about1.html (using internal CSS)**

12



- **facility1.html (using external CSS)**

13



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```
<th class="apple">Smart Classroom</th>
<th class="orange"></th>
</tr>
<tr>
<th class="apple">Labs</th>
<th class="orange"></th>
</tr>
<tr>
<th class="apple">Transport</th>
<th class="orange"></th>
</tr>
</table>
</center>
<hr>
<h6>Made by Nitin Tyagi</h6>
</body>
</html>
```

- **style.css**

```
body{
  background-color: brown;
}
h1{
  font-size:48px;
  color:white;
  font-weight:bold;
  text-align:center;"
  color:blueviolet;
}
hr{
  width:100%;
  height:19px;
  background-color:lightgreen;
}
a{
  color:white;
  font-weight:bold;"
}
th.apple{
  font-size:22px;
  color:white;
}
img{
  width: 200px;
  height:150px;
  float:left;
}
```



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```
h6{
font-size:22px;
color:white;
font-weight:bold;
margin-top:20px;
padding-top:0;
}
```

- **help1.html**

```
<html>
<head>
<title>help</title>
</head>
<body style = "background-color: brown"></body>
<h1 style="font-size:48px; color:white; font-weight:bold; text-align:center;">CONTACT US</h1>
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<a style="color:white;font-weight:bold;" href="home1.html">HOME</a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a style="color:white;font-weight:bold;" href="about1.html">ABOUT US</a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a style="color:white;font-weight:bold;" href="facility1.html">FACILITIES</a>
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<a style="color:white;font-weight:bold;" href="help1.html">HELP DESK</a> &nbsp;
&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<br>
<br>
<p style="font-size:19px; color:white; font-weight:bold;">Tyagi International School
Aff. no. 5315567<br>
Ganaur Road, District Sonipat [Haryana]-131101<br>
Phone: +918312345678 , +917981234560<br>
Email: tyagiinternationalschool@gmail.com</p>
<br>
<br>
<br>
<br><br>
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<h6 style="font-size:22px; color:white; font-weight:bold;margin-top:20px; padding-top:0;">Made by Nitin Tyagi</h6>
</body>
</html>
```

OUTPUT :-



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← → ↻ 🏠 📄 File | C:/Users/hp/Desktop/school.html

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Ganaur, Sonapat, Haryana 131101

[HOME](#) [ABOUT US](#) [FACILITIES](#) [HELP DESK](#)

WELCOME TO OUR SCHOOL




Tyagi International School prepares students to understand, contribute to, and succeed in a rapidly changing society, thus making the world a better and more just place. We will ensure that our students develop both the skills that a sound education provides and the competencies essential for success and leadership in the emerging creative economy. We will also lead in generating practical and theoretical knowledge that enables student to better understand our world. We are and will be a university where design and social research drive approaches to studying issues of our time, such as democracy, urbanization, technological change, sustainability, migration, and globalization. We will be the preminent intellectual and creative center for effective engagement in a world that increasingly demands better-designed objects, communication, systems, and organizations to meet social needs.

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← → ↻ 🏠 📄 File | C:/Users/hp/Desktop/about.html

ABOUT US

[HOME](#) [ABOUT US](#) [FACILITIES](#) [HELP DESK](#)



What distinguishes a great school from a good school? I believe that clarity of purpose, exceptional teachers, and demonstrated outcomes are hallmarks of great schools. A great school is a place with a deep commitment to student learning, where faculty nourish the intellectual, moral, emotional, and social growth of every student. It is a place where students, teachers, and parents embark together on an academic journey with clear and well-defined objectives. It is filled with the joy of discovery and the excitement of personal challenge and growth. It is a community dedicated to developing strength of character and excellence in all dimensions of its students' lives. And it is a place that has a distinctive and lasting impact.

The Lakshya International School strives to be a great school. Our mission, simply put, is to prepare students for lives of purpose, achievement, and generosity of spirit. Our talented faculty are experts in their disciplines with a deep commitment to student success; they truly get to know each child, providing the challenge, support, and encouragement that fosters learning and personal growth. Our rigorous program of inquiry and study empowers students to exercise their intellectual curiosity, expand their understanding, and develop critical skills for future success. And our emphasis on character and values challenges each student to be a person of integrity, a contributing member of our school community, and a thoughtful and involved citizen of the world.

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FACILITIES

[HOME](#) [ABOUT US](#) [FACILITIES](#) [HELP DESK](#)

Smart Classroom	
Labs	
Transport	

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EXPERIMENT-4

AIM :-

Write a program to create a form page (Login and Signup page) using HTML and CSS.

PROGRAM :-

- signup.html

```
<html>
<head>
<title>about</title>
<style>
  body{
    background-color:brown;
  }
  h1{
    font-size:48px;
    color:white;
    font-weight:bold;
    text-align:center;
  }
  hr{
    width:100%;
    height:19px;
    background-color:lightgreen;
  }
  a{
    color:white;
    font-weight:bold;"
  }
  img{
    width: 300px;
    height:250px;
    float:left;
  }
  h6{
    font-size:22px;
    color:white;
    font-weight:bold;
    margin-top:20px;
    padding-top:0;
  }
  .form_cover{
    display:flex;
    flex-direction:column;
```

[illegible]



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```
<hr>
<h6>Made by Nitin Tyagi</h6>
</body>
</html>
```

- **signup_success.html**

```
<html>
<head>
<title>home</title>
</head>
<body style = "background-color: brown">
<h1 style= "margin-bottom:0; font-size:48px; color:white; font-weight:bold; text-
align:center;">TYAGI INTERNATIONAL SCHOOL</h1>
<h2 style="margin:0; padding-top:0;font-size:33px; color:white; font-weight:bold; text-
align:center;">Ganaur, Sonapat, Haryana 131101</h2>
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<br><br><br><br><br><br><br><br><br>
<h1><font size="7" color="white" ><center><b
>SignedUp Sucessfully<br /><font size="6" color="white"
><center><b><a href="home1.html">Go To Home</a></b></center></font
></b>
>
</center></font
>
</h1>
<br><br><br><br><br><br><br><br><br>
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<h6 style="font-size:22px; color:white; font-weight:bold;margin-top:20px; padding-
top:0;">Made by Nitin Tyagi</h6>
</body>
</html>
```

- **login.html**

```
<html>
<head>
<title>about</title>
<style>
body{
background-color:brown;
}
h1{
font-size:48px;
color:white;
font-weight:bold;
text-align:center;
}
```



21

[illegible]

```
<html>
<head>
<title>home</title>
</head>
<body style = "background-color: brown">
<h1 style= "margin-bottom:0; font-size:48px; color:white; font-weight:bold; text-align:center;">TYAGI INTERNATIONAL SCHOOL</h1>
<h2 style="margin:0; padding-top:0;font-size:33px; color:white; font-weight:bold; text-align:center;">Ganaur, Sonapat, Haryana 131101</h2>
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<br><br><br><br><br><br><br><br><br>
<h1><font size="7" color="white" ><center><b
>LoggedIn Sucessfully<br /><font size="6" color="white"
    ><center><b><a href="home1.html">Go To Home</a></b></center></font
    ></b
    >
    </center></font
    >
</h1>
```



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```
<br><br><br><br><br><br><br><br><br>
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<h6 style="font-size:22px; color:white; font-weight:bold;margin-top:20px; padding-
top:0;">Made by Nitin Tyagi</h6>
</body>
</html>
```

OUTPUT :-



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TYAGI INTERNATIONAL SCHOOL

Ganaur, Sonapat, Haryana 131101

SignedUp Sucessfully

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EXPERIMENT-5

AIM :-

Write a program to create a simple multiplication table by asking the user using Javascript.

PROGRAM :-

- multiply.html

```
<html>
<head>
<title>multiply</title>
<style>
  body{
    background-color:brown;
  }
  h1{
    font-size:48px;
    color:white;
    font-weight:bold;
    text-align:center;
  }
  hr{
    width:100%;
    height:19px;
    background-color:lightgreen;
  }
  a{
    color:white;
    font-weight:bold;"
  }
  h6{
    font-size:22px;
    color:white;
    font-weight:bold;
    margin-top:20px;
    padding-top:0;
  }
  table{
    color:white;
    border-color:lightgreen;
  }
  .form_cover{
    display:flex;
    justify-content: center;
  }
}
```




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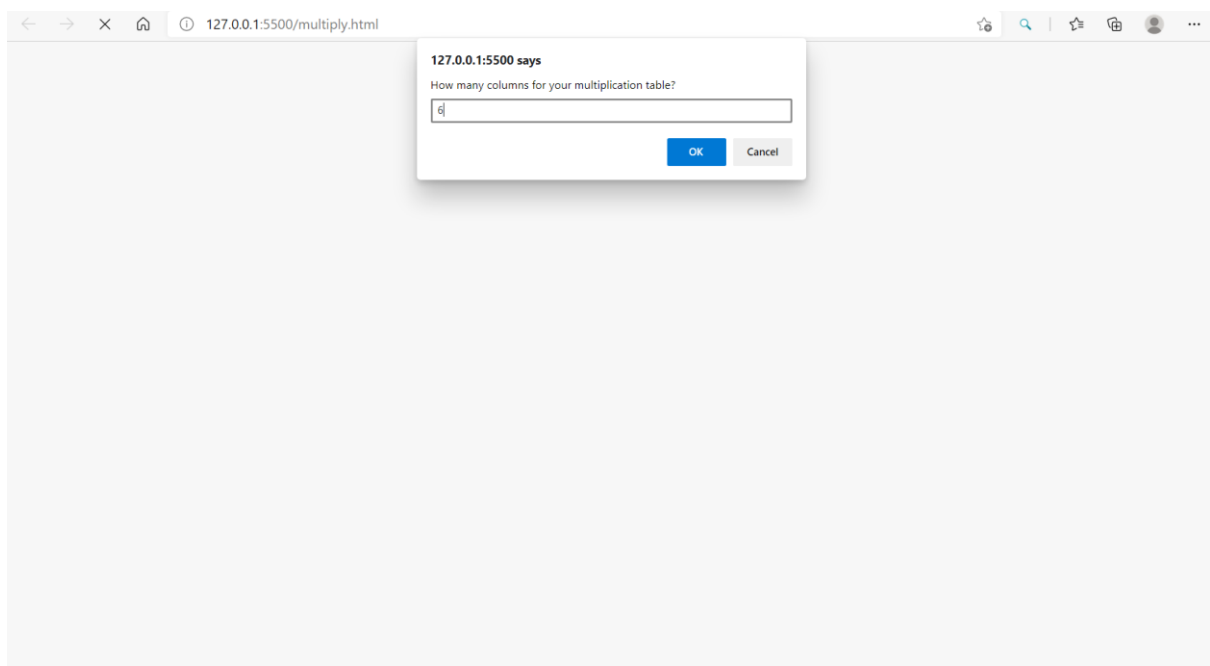
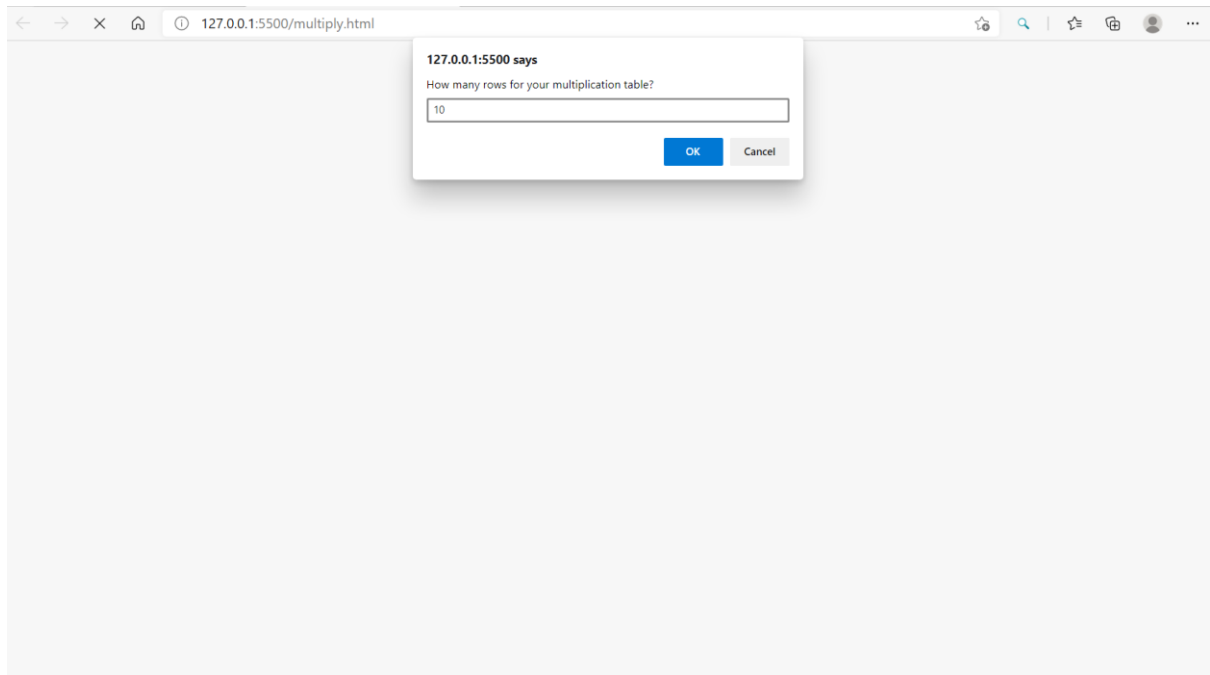
<hr>

<h6>Made by Nitin Tyagi</h6>

</body>

</html>

OUTPUT :-





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127.0.0.1:5500/multiply.html

MULTIPLY

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1	2	3	4	5	6
2	4	6	8	10	12
3	6	9	12	15	18
4	8	12	16	20	24
5	10	15	20	25	30
6	12	18	24	30	36
7	14	21	28	35	42
8	16	24	32	40	48
9	18	27	36	45	54
10	20	30	40	50	60

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EXPERIMENT-6

AIM :-

Write a program to enter the name of the student and marks of 5 subjects of the student, student name and marks will be given by the user then these marks are used to determine the corresponding grades.

Range of Grades:

≥ 90 A

≥ 80 B

≥ 70 C

≥ 60 D

The name of the student should be displayed in capitals (convert lowercase to uppercase).

PROGRAM :-

- students_grade.html

```
<html>
<head>
<title>STUDENT MARKS</title>
<style>
  body{
    background-color:brown;
  }
  h1{
    font-size:48px;
    color:white;
    font-weight:bold;
    text-align:center;
  }
  hr{
    width:100%;
    height:19px;
    background-color:lightgreen;
  }
  a{
    color:white;
    font-weight:bold;"
  }
  img{
    width: 300px;
    height:250px;
    float:left;
  }
```



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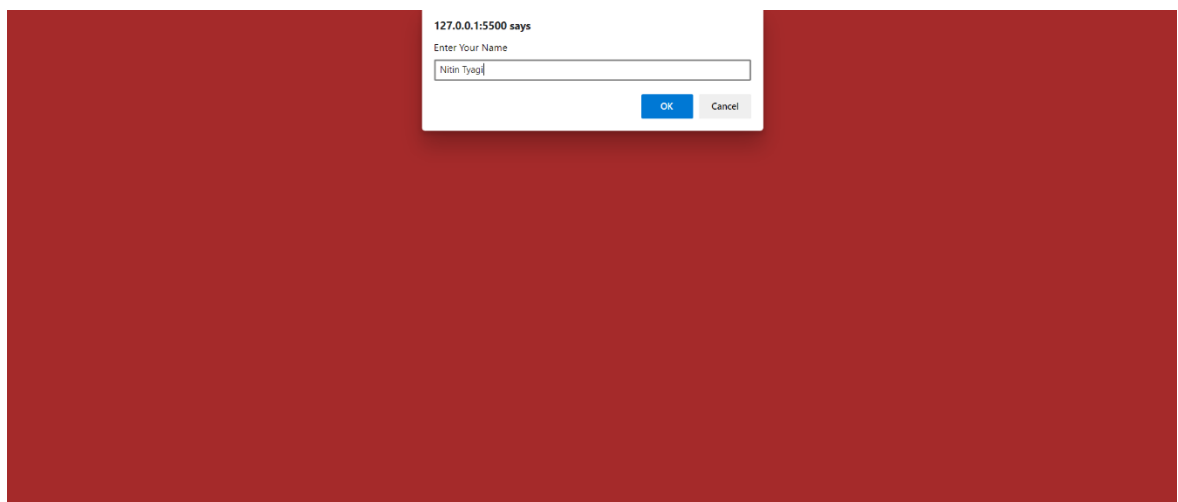
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```
var output = "<table border='1' width='500'
cellspacing='0' cellpadding='5'>";
output = output + `<caption>${name.toUpperCase()}</caption>`;
output = output + `<tr> <th> Subject </th> <th> Total Marks </th> <th>
Marks Obtained </th> <th>Grade</th></tr>`;
for(var i=0;i<5;i++){
    if(marks[i]>=90) grade='A';
    else if(marks[i]>=80) grade='B';
    else if(marks[i]>=70) grade='C';
    else if(marks[i]>=60) grade='D';
    else grade='E';

    output=output+`<tr><td>${subjects[i]}</td><td>100</td><td>${marks[i]}</td><t
d>${grade}</td></tr>`;
}
output = output + "</table>";
document.write(output);
}
</script>
</div>
<br><br><br><br>
<hr>
<h6>Copyright &copy; 2021 | Nitin Tyagi</h6>
</body>
</html>
```

OUTPUT :-





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127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of ADA

OK Cancel

127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of CS

OK Cancel

127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of SE

OK Cancel



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127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of JAVA

OK Cancel

127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of IM

OK Cancel

127.0.0.1:5500/students_grade.html

STUDENT MARKS

HOME ABOUT US FACILITIES HELP DESK LOGIN SIGNUP MULTIPLY STUDENT MARKS

NITIN TYAGI

Subject	Total Marks	Marks Obtained	Grade
ADA	100	94	A
CS	100	82	B
SE	100	64	D
JAVA	100	72	C
IM	100	55	E

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EXPERIMENT-7

AIM :-

Write a Program to get the addition of two random numbers between 1 and 100.

> if the result of sum is not less than 100 then print "Try Again!" and the program will continue running till getting less than 100.

> if the result of sum is less than 100 then print "Gotcha!".

PROGRAM :-

- add.html

```
<html>
<head>
<title>SUM OF NUMBERS</title>
<style>
  body{
    background-color:brown;
  }
  h1{
    font-size:48px;
    color:white;
    font-weight:bold;
    text-align:center;
  }
  hr{
    width:100%;
    height:19px;
    background-color:lightgreen;
  }
  a{
    color:white;
    font-weight:bold;"
  }
  img{
    width: 300px;
    height:250px;
    float:left;
  }
  h6{
    font-size:22px;
    color:white;
    font-weight:bold;
    margin-top:20px;
    padding-top:0;
  }
```



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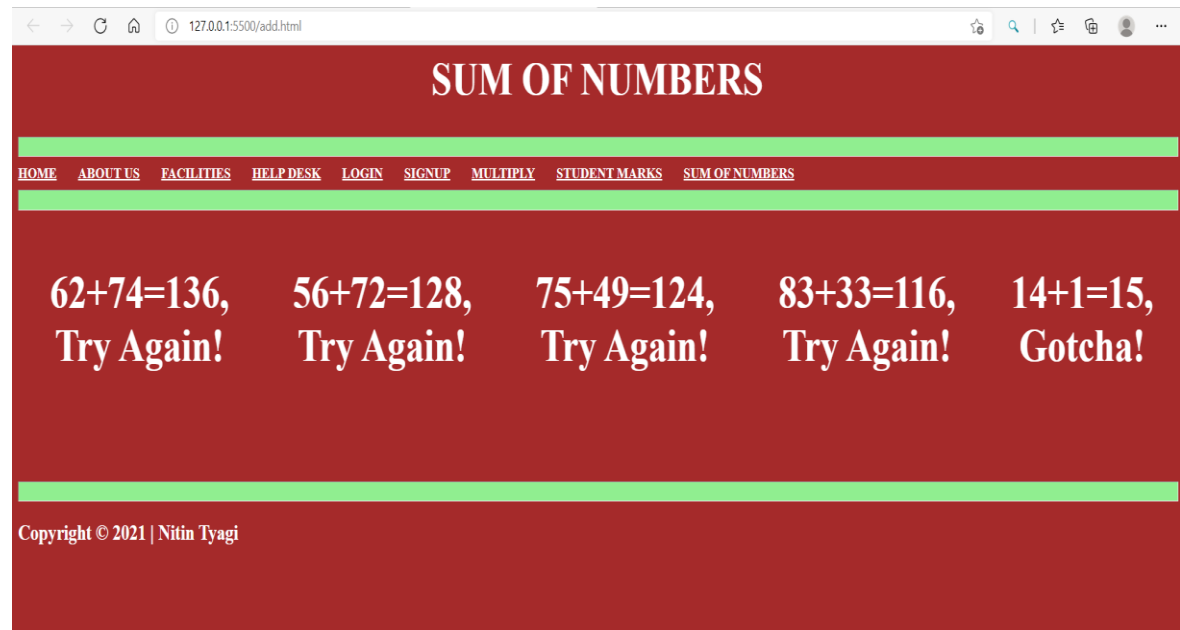


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```
</div>
<br><br><br><br>
<hr>
<h6>Copyright &copy; 2021 | Nitin Tyagi</h6>
</body>
</html>
```

OUTPUT :-



EXPERIMENT - 8

AIM :-

Design a website on the basis of your adopted theme, which has atleast required 5 web pages - home, about us, contact us, product/services/facilities, login and signup. You can use more than the required pages if you need.

PROGRAM :-

- **home1.html (using inline CSS)**

[illegible]



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time, such as democracy, urbanization, technological change, sustainability, migration, and globalization. We will be the preeminent intellectual and creative center for effective engagement in a world that increasingly demands better-designed objects, communication, systems, and organizations to meet social needs.</p>

<hr style="width:100%; height:19px; background-color:lightgreen;" />

<h6 style="font-size:22px; color:white; font-weight:bold;margin-top:20px; padding-top:0;">Copyright © 2021 | Nitin Tyagi</h6>

</body>

</html>

- **about1.html (using internal CSS)**

```
<html>
```

```
<head>
```

```
<title>about</title>
```

```
<style>
```

```
  body{
```

```
    background-color:brown;
```

```
  }
```

```
  h1{
```

```
    font-size:48px;
```

```
    color:white;
```

```
    font-weight:bold;
```

```
    text-align:center;
```

```
  }
```

```
  hr{
```

```
    width:100%;
```

```
    height:19px;
```

```
    background-color:lightgreen;
```

```
  }
```

```
  a{
```

```
    color:white;
```

```
    font-weight:bold;"
```

```
  }
```

```
  img{
```

```
    width: 300px;
```

```
    height:250px;
```

```
    float:left;
```

```
  }
```

```
  h6{
```

```
    font-size:22px;
```

```
    color:white;
```

```
    font-weight:bold;
```

```
    margin-top:20px;
```

```
    padding-top:0;
```

```
  }
```

```
</style>
```

```
</head>
```



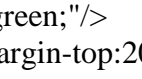


- style.css

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[STUDENT MARKS](students_grade.html)



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Ganaur Road, District Sonipat [Haryana]-131101
Phone: +918312345678 , +917981234560
Email: tyagiinternationalschool@gmail.com

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```
<html>
<head>
<title>SIGN UP</title>
<style>
    body{
        background-color:brown;
    }
    h1{
        font-size:48px;
        color:white;
        font-weight:bold;
        text-align:center;
    }
    hr{
        width:100%;
        height:19px;
        background-color:lightgreen;
    }
    a{
        color:white;
        font-weight:bold;"
    }
    img{
        width: 300px;
        height:250px;
        float:left;
    }
    h6{
        font-size:22px;
```



```
color:white;
font-weight:bold;
margin-top:20px;
padding-top:0;
}
.form_cover{
    display:flex;
    flex-direction:column;
    align-items:center;
}
.form{
    width:30%;
    height:350px;
    display:flex;
    flex-direction:column;
    align-items:center;
    background-color:lightgreen;
    border-style: solid;
    border-color: black;
}
.form input{
    margin:15px 0;
    border-style: solid;
    border-color: black;
```

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```
<input type="text" placeholder="Enter Your Password Again">
<input type="submit" value="signup">
<p style="font-weight: bolder; font-size:20px">Already A Member ?</p>
<a style="color:black;font-weight:bold;" href="login.html">Login Here</a>
</form>
</div>
<br><br><br><br>
<hr>
<h6>Copyright &copy; 2021 | Nitin Tyagi</h6>
</body>
</html>
```

- **signup_success.html**

```
<html>
<head>
<title>SIGN UP</title>
</head>
<body style = "background-color: brown">
<h1 style= "margin-bottom:0; font-size:48px; color:white; font-weight:bold; text-align:center;">TYAGI INTERNATIONAL SCHOOL</h1>
<h2 style="margin:0; padding-top:0;font-size:33px; color:white; font-weight:bold; text-align:center;">Ganaur, Sonapat, Haryana 131101</h2>
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<br><br><br><br><br><br><br><br><br>
<h1><font size="7" color="white" > <center> <b>
>SignedUp Sucessfully<br/> <font size="6" color="white"><center> <b> <a
href="home1.html"> Go To Home</a></b></center></font ></b>
</center></font >
</h1>
<br><br><br><br><br><br><br><br><br>
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<h6 style="font-size:22px; color:white; font-weight:bold;margin-top:20px; padding-top:0;">Copyright &copy; 2021 | Nitin Tyagi</h6>
</body>
</html>
```

- **login.html**

```
<html>
<head>
<title>LOGIN FORM</title>
<style>
body{
background-color:brown;
}
h1{
font-size:48px;
```



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```
color:white;
font-weight:bold;
text-align:center;
}
hr{
width:100%;
height:19px;
background-color:lightgreen;
}
a{
color:white;
font-weight:bold;"
}
img{
width: 300px;
height:250px;
float:left;
}
h6{
font-size:22px;
color:white;
font-weight:bold;
margin-top:20px;
padding-top:0;
}
.form_cover{
display:flex;
flex-direction:column;
align-items:center;
}
.form{
width:30%;
height:250px;
display:flex;
flex-direction:column;
align-items:center;
background-color: lightgreen;
border-style: solid;
border-color: black;
}
.form input{
margin:15px 0;
border-color: black;
}
}
</style>
</head>
<body>
```



- login_success.html

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```
<hr style="width:100%; height:19px; background-color:lightgreen;" />
<h6 style="font-size:22px; color:white; font-weight:bold;margin-top:20px; padding-
top:0;">Copyright &copy; 2021 | Nitin Tyagi</h6>
</body>
</html>
```

- **students_grade.html**

```
<html>
<head>
<title>STUDENT MARKS</title>
<style>
  body{
    background-color:brown;
  }
  h1{
    font-size:48px;
    color:white;
    font-weight:bold;
    text-align:center;
  }
  hr{
    width:100%;
    height:19px;
    background-color:lightgreen;
  }
  a{
    color:white;
    font-weight:bold;"
  }
  img{
    width: 300px;
    height:250px;
    float:left;
  }
  h6{
    font-size:22px;
    color:white;
    font-weight:bold;
    margin-top:20px;
    padding-top:0;
  }
  table{
    color:white;
    border-color:lightgreen;
  }
  .form_cover{
    display:flex;
```



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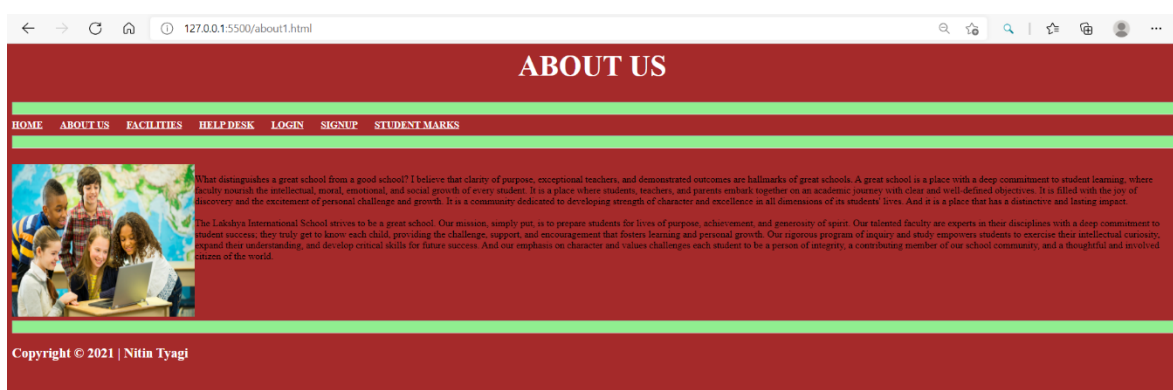
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```
output = output + "</table>";
document.write(output);
}
</script>
</div>
<br><br><br><br>
<hr>
<h6>Copyright &copy; 2021 | Nitin Tyagi</h6>
</body>
</html>
```

OUTPUT :-





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Email: tyagiinternationalschool@gmail.com

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127.0.0.1:5500/signup.html

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127.0.0.1:5500/signup_success.html?

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SignedUp Sucessfully

[Go To Home](#)

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127.0.0.1:5500/login.html

Login Form

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LoggedIn Sucessfully

[Go To Home](#)

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127.0.0.1:5500 says

Enter Your Name



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127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of ADA

OK Cancel

127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of CS

OK Cancel

127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of SE

OK Cancel



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127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of JAVA

OK Cancel

127.0.0.1:5500/students_grade.html

127.0.0.1:5500 says
Enter Marks of IM

OK Cancel

127.0.0.1:5500/students_grade.html

STUDENT MARKS

HOME ABOUT US FACILITIES HELP DESK LOGIN SIGNUP STUDENT MARKS

NITIN TYAGI

Subject	Total Marks	Marks Obtained	Grade
ADA	100	94	A
CS	100	82	B
SE	100	64	D
JAVA	100	72	C
IM	100	55	E

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