



**NITTE**  
EDUCATION TRUST

**N.M.A.M. INSTITUTE OF TECHNOLOGY**

(An Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi)

Nitte – 574 110, Karnataka, India

## **Department of Information Science and Engineering**

### **Laboratory Manual**

### **Web Programming**

**19IS601**



**Course Outcomes:**

At the end of the course the student will be able to

Sl. No.	Course Outcome	Bloom's Taxonomy Level (BTL)
1	Adapt HTML and CSS syntax and semantics to build web pages. Construct and visually format tables and forms using HTML and CSS	3
2	To learn Client-Side programs using JavaScript and Server-Side programs using PHP. Understand the principles of object oriented development using PHP.	4
3	Combine and analyse the usage of PHP and its client side partners To learn importance of jQuery	2

**Operating System used**

**1. Ubuntu**

**Marks distribution**

**Internal Evaluation**

Evaluation Criteria	Marks
CIE	10
MSE	40

**CIE Marks Distribution**

Record	5 Marks
Viva	5 Marks

**SEE**

Evaluation Criteria	Marks
Program write up	(5+5)
Program execution	(15+15)
Viva-Voce	10

**Prepared by:**

Name of the faculty	Designation
Ms. Pratheeksha Hegde N	Assistant Professor
Ms. Prathyakshini	Assistant Professor



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**Week Wise Schedule (Tentative)**

Week 1	Program 1, Program 2
Week 2	Program 3, Program 4
Week 3	Program 5, Program 6
Week 4	Program 7, Program 8, Program 9
Week 5	Program 10, 11, 12
Week 6	Program 13,14
Week 7	Program 15, 16
Week 8	Program 17, 18
Week 9	Program 19, 20, 21, 22, 23
Week 10	Program 24
Week 11	Program 25
Week 12	Program 26, 27
Week 13	Program 28



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### Week 1

Introduction to HTML, what is HTML and Where did it come from? HTML Syntax, Semantic Markup, Structure of HTML Documents, Introduction to CSS, what is CSS, CSS Syntax.

#### Lab Programs:

**1. Design a web page with HTML describing your department use paragraph and list tags. Apply suitable colors to distinguish keywords, font style like italic, underline. Create link on the word like WiFi and LAN. Insert an image, change background color and create link to take the user at the top of the page.**

```
<!DOCTYPE html>
<style>
* {
  box-sizing: border-box;
}
.center {
  display: block;
  margin-left: auto;
  margin-right: auto;
  width: 50%;
}
body {
  font-family: Arial, Helvetica, sans-serif;
  margin: 0;
}
.navbar {
  background-color: #333;
}
</style>
</head>
<body>

<div class="header">

  <h2> <i> <B> Information Science and Engineering Department </B> </i> </h2>
  <a href="#">What is Information Science and Engineering ?</a></div>
<div class="navbar">
  <a href="#">WiFi</a>
```



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[LAN](#)

[Back to top of page](#)

**Output:**



## 2. Design a home page which will display your information i.e. Bio data (using HTML)

```
<html>
```

```
<body style="background-color: pink">
```

```

```

```
<p> Basi Info </p>
```

```
<hr>
```

```
<table align='center'>
```

```
<tr><td>Full Name:</td><td> ABC H. XYZ</td></tr>
```

```
<tr><td>Father's Name:</td><td> HIJ K. XYZ</td></tr>
```

```
<tr><td>Age:</td><td> 22 Years </td></tr>
```

```
<tr><td>Date of Birth:</td><td> 15th March</td></tr>
```

```
<tr><td>Religion:</td><td> PATEL</td></tr>
```

```
<tr><td>Nationality:</td><td> Indian</td></tr>
```

```
</table>
```

```
<p>Contact Details</p>
```

```
<hr>
```

```
<center>
```

```
<table align='center'>
```

```
<tr><td>Address:</td><td> B/7,"OM" Apt. <br>Shyam Nagar, Nehru  
Road,<br>Rajkot-360 00 2</td></tr>
```

```
<tr><td>Phone Number:</td><td> (R)0281-265645<br>(M)08167568749 </td></tr>
```

```
<tr><td>Email Address:</td><td> abc.xyz313@gmail.com </td></tr>
```

```
</table>
```

```
</center>
```

```
<p>Education & Knowledge</p>
```

```
<hr>
```

```
<table align='center'>
```

```
<tr><td>Language:</td><td> English,Hindi,Gujarati</td></tr>
```

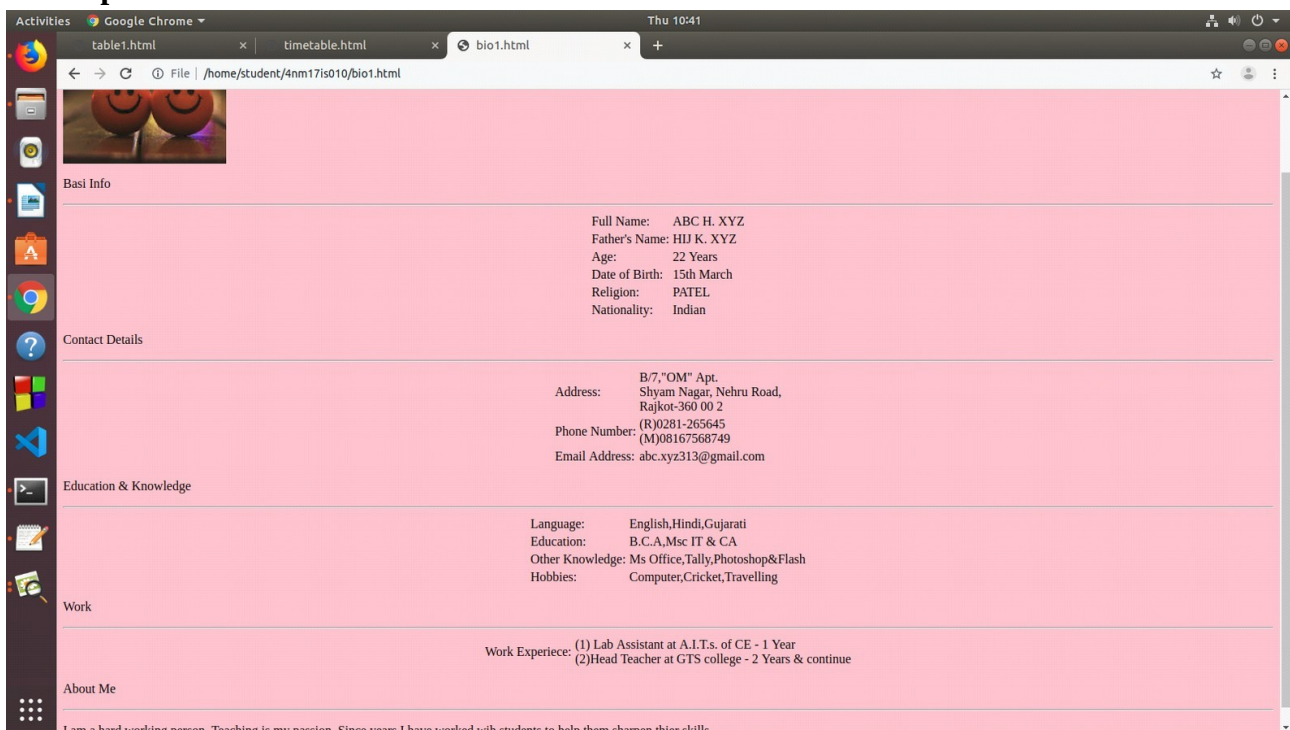


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```
<tr><td>Education:</td><td> B.C.A,Msc IT & CA</td></tr>
<tr><td>Other Knowledge:</td><td> Ms Office,Tally,Photoshop&Flash</td></tr>
<tr><td>Hobbies:</td><td>Computer,Cricket,Travelling</td></tr>
</table>
<p> Work </p>
<hr>
<table align='center'>
<tr><td>Work Experiene: </td><td>(1) Lab Assistant at A.I.T.s. of CE - 1
Year<br>(2)Head Teacher at GTS college - 2 Years & continue</td></tr>
</table>
<p>About Me</p>
<hr>
<p>I am a hard working person. Teaching is my passion. Since years I have worked with
students to help them sharpen thier skills</p>
</body>
</html>
```

### Output:



## Week 2

Location of Styles, Selectors. HTML Tables, Styling Tables.

### 3. Write the HTML and CSS code to Time table and display it in tabular format.

```
<html><head>
```



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```
<title>Time Table</title>
<link href="/style2.css" rel="stylesheet" type="text/css" />
</head><body>
<table border="2" align="center">
<caption><h3>Time Table</h3></caption>
<tr><th>Day/Time</th><th>9.00-9.55</th>
<th>9.55-10.50</th><th>11.10-12.05</th>
<th>12.05-1.00</th><th>1.00-1.55</th>
<th>1.55-2.50</th><th>2.50-3.40</th>
<th>3.40-4.30</th></tr>
<tr>
<td class="bd"><b>MON</b>
</td>
<td>DM</td><td>WT</td>
<td>AI</td><td>MAD</td>
<td rowspan="2">LUNCH BREAK</td><td>WT(TUTO)</td>
<td>DM</td><td>CS</td></tr>
<tr>
<td class="bd"><b>TUE</b></td><td>CN</td>
<td>DM</td><td>ESD</td><td>ML</td>
<td colspan="2">WT LAB B1-ISL04</td><td></td></tr>
<tr><td class="bd"><b>WED</b></td><td>AI</td>
<td>WT</td><td>CN</td><td colspan="5"></td></tr>
<tr><td class="bd"><b>THUR</b></td><td>WT</td>
<td>AI</td><td colspan="2">ML</td><td>LUNCH BREAK</td>
<td colspan="3">DEPARTMENT ACTIVITIES/GENERAL ELECTIVE</td></tr>
<tr><td class="bd"><b>FRI</b></td><td colspan="2">CN LAB B1-ISL 02</td>
<td>CN</td><td>ISM (LC26)</td><td colspan="4">MAD</td></tr>
<tr><td class="bd"><b>SAT</b></td><td>WT</td><td>AI</td>
<td>DM</td><td colspan="5"></td></tr></table><br><br>
<table border="2" align="center"><tr><th>Course Code</th>
<th>Course</th><th>Course Title</th><th>Faculty</th></tr>
<tr><td>17IS601</td><td>WT</td><td>Web Technologies</td>
<td>Ms. Anusha N</td></tr>
<tr><td>17IS602</td><td>CN</td>
<td>Computer Networks</td><td>Ms. Vanajakshi J</td></tr>
<tr><td>17IS603</td><td>AI</td><td>Artificial Intelligence</td>
<td>Mr. Balaji N</td></tr>
<tr><td>17IS604</td><td>DM</td>
<td>Data Mining</td><td>Ms. Sandya S</td></tr>
<tr><td>17ISE11</td>
<td>ISM</td><td>Information Storage Management</td><td>Ms. Alaka Ananth</td></tr>
<tr><td>17ISE32</td><td>MAD</td><td>Mobile Application Development</td>
<td>Ms. Sapna S, Mr. Devidas</td></tr>
<tr><td>17ISE82</td>
```



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```
<td>ML</td><td>Machine Learning</td><td>Ms. Nikitha
Saurabh</td></tr><tr><td>17ISL02</td><td>ESD</td>
<td>Employment Skill Development</td><td>Mr. Balaji N</td></tr><tr>
<td>17ISL606</td><td>CN LAB</td><td>Computer Networks Lab</td>
<td>VJ, TN, RN</td></tr><tr><td>17ISL607</td><td>WT Lab</td>
<td>Web Technologies Lab</td><td>ANU, ALA, SSK</td></tr>
```

```
</table>
```

```
</body>
```

```
</html>
```

```
style2.css
```

```
table,th,td{
```

```
font-family: 'Times New Roman', Times, serif;
```

```
align-content: center;
```

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

```
}
```

```
th{
```

```
background: gray;
```

```
}
```

```
.bd{
```

```
background: grey;
```

```
}
```

## Output:

The screenshot shows a Firefox browser window with the title "Time Table - Mozilla Firefox". The address bar shows the file path "file:///home/student/is047/h4.html". The main content area displays two tables.

**Time Table**

Day/Time	9.00-9.55	9.55-10.50	11.10-12.05	12.05-1.00	1.00-1.55	1.55-2.50	2.50-3.40	3.40-4.30
MON	DM	WT	AI	MAD	LUNCH BREAK	WT(TUTO)	DM	CS
TUE	CN	DM	ESD	ML		WT LAB B1-ISL04		
WED	AI	WT	CN					
THUR	WT	AI		ML	LUNCH BREAK	DEPARTMENT ACTIVITIES/GENERAL ELECTIVE		
FRI	CN LAB B1-ISL 02	CN	ISM (LC26)		MAD			
SAT	WT	AI	DM					




  

Course Code	Course	Course Title	Faculty
17IS601	WT	Web Technologies	Ms. Anusha N
17IS602	CN	Computer Networks	Ms. Vanajakshi J
17IS603	AI	Artificial Intelligence	Mr. Balaji N
17IS604	DM	Data Mining	Ms. Sandya S
17ISE11	ISM	Information Storage Management	Ms. Alaka Ananth
17ISE32	MAD	Mobile Application Development	Ms. Sapna S, Mr. Devidas
17ISE82	ML	Machine Learning	Ms. Nikitha Saurabh
17ISL02	ESD	Employment Skill Development	Mr. Balaji N
17ISL606	CN LAB	Computer Networks Lab	VJ, TN, RN
17ISL607	WT Lab	Web Technologies Lab	ANU, ALA, SSK

4. Write the HTML and CSS code to generate the following output.





A comparison between different types of chocolate			
Type of chocolate	Color	Image	Percentage of cocoa solids
Non White	dark		74.4%
	milk		40.0%
White	white		27.4%
Conclusion	The non white chocolate has more cocoa solids		

#### HTML Code

```
<html><head>
<title>Time Table</title>
<link href="./style2.css" rel="stylesheet" type="text/css" />
</head><body>
<table style="width:50%" border="2" align="center">
<caption><h3>A comparison between different types of
chocolates</h3></caption>
<tr>
<td class="bd"><b>Type of chocolate</b></td>
<td class="bd"><b>Color</b></td>
<td class="bd"><b>Image</b></td>
<td class="bd"><b>Percentage of cocoa solids</b></td>
<tr><td class="bd" rowspan="2"><b>Non White</b></td>
<td class="bd">Dark</td>
<td></td>
<td class="bd">74.4%</td>
</tr>
```






```
<tr><td>milk</td>
<td></td>
<td> 40.0% </td>
</tr>
<td><b>White</b></td>
<td>white</td>
<td>
</td>
<td>27.4%</td></tr>
<td><b>Conclusion</b></td> <td colspan="5">The non white chocolate has
more cocoa solids</td> </td></tr></table><br><br>
</body>
</html>
```

### CSS Code

```
table,th,td{
font-family: 'Times New Roman', Times, serif;
align-content: center;
text-align: center;
table-layout: auto;
width: 60%}
```

### Output:

**A comparison between different types of chocolates**

Type of chocolate	Color	Image	Percentage of cocoa solids
Non White	Dark		74.4%
	milk		40.0%
White	white		27.4%
Conclusion	The non white chocolate has more cocoa solids		



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### Week 3

Introducing Forms, Form Control Elements

#### Lab Programs:

##### 5. Design a Course Registration form in HTML

```
<Html>
```

```
<head>
```

```
<title>
```

```
Registration Page
```

```
</title>
```

```
</head>
```

```
<body bgcolor="Lightskyblue">
```

```
<br>
```

```
<br>
```

```
<form>
```

```
<label> Firstname </label>
```

```
<input type="text" name="firstname" size="15"/> <br> <br>
```

```
<label> Middlename: </label>
```

```
<input type="text" name="middlename" size="15"/> <br> <br>
```

```
<label> Lastname: </label>
```

```
<input type="text" name="lastname" size="15"/> <br> <br>
```

```
<label>
```

```
Course :
```

```
</label>
```

```
<select>
```

```
<option value="Course">Course</option>
```

```
<option value="BCA">BCA</option>
```

```
<option value="BBA">BBA</option>
```

```
<option value="B.Tech">B.Tech</option>
```

```
<option value="MBA">MBA</option>
```

```
<option value="MCA">MCA</option>
```

```
<option value="M.Tech">M.Tech</option>
```

```
</select>
```

```
<br>
```

```
<br>
```

```
<label>
```

```
Gender :
```

```
</label><br>
```

```
<input type="radio" name="male"/> Male <br>
```



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```
<input type="radio" name="female"/> Female <br>
<input type="radio" name="other"/> Other
<br>
<br>

<label>
Phone :
</label>
<input type="text" name="country code" value="+91" size="2"/>
<input type="text" name="phone" size="10"/> <br> <br>
Address
<br>
<textarea cols="80" rows="5" value="address">
</textarea>
<br> <br>
Email:
<input type="email" id="email" name="email"/> <br>
<br> <br>
Password:
<input type="Password" id="pass" name="pass"> <br>
<br> <br>
Re-type password:
<input type="Password" id="repass" name="repass"> <br> <br>
<input type="button" value="Submit"/>
</form>
</body>
</html>
```

### Output:

Firstname

Middlename:

Lastname:

Course :

Gender :

☐ Male

☐ Female

☐ Other

Phone :

Address



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**6. Design an HTML form to take the information of a customer visiting a departmental store such as name, contact phone no , email -id, address, preferred days of purchasing , favorite item ( to be selected from a list of items), suggestions etc. One should provide button to Submit as well as Reset the form contents.**

```
<Html>
<head>
<title>
Registration Page
</title>
</head>
<body bgcolor="Lightskyblue">
<br>
<br>
<style>
h1 {text-align: center;}
</style>
<form>
<h1>DEPARTMENTAL STORE </h1>

<label> Name </label>
<input type="text" name="Name" size="15"/> <br> <br>
<label> contactno: </label>
<input type="text" name="contact no" size="15"/> <br> <br>
<label> emailid: </label>
<input type="text" name="emailid" size="15"/> <br> <br>
<label> address: </label>
<input type="text" address="address" size="15"/> <br> <br>
<label> preferred days of purchasing: </label>
<input type="text" address="preferred days of purchasing" size="15"/> <br> <br>

<label for="favourite item ">Choose a favourite item :</label>
<select name="favourite item " id="favourite item ">
  <option value="volvo">Item1</option>
  <option value="saab">Item2</option>
  <option value="opel">Item3</option>
  <option value="audi">Item4</option>
</select>

<label> Suggestions </label>
<input type="text" name="Suggestions" size="15"/> <br> <br>
```



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```
<input type="submit" value="Submit Button">
```

```
<input type="reset" value="Reset Button">
```

### Output:

**DEPARTMENTAL STORE**

Name

contactno:

emailid:

address:

preferred days of purchasing:

Choose a favourite item :  Suggestions

### Week 4

What is JavaScript, Syntax, Document Object Model (DOM), JavaScript Events, Forms

### Lab Programs:

**7. Write a JavaScript to design a simple calculator to perform the following operations: sum, product, difference and quotient.**

```
<html>
<head>
<title>calculator</title>
<link rel="stylesheet" href="style.css"/>
</head>
<body >
<fieldset>
<legend>calculator</legend>
<table>
<tr>
<th>Enter 1st number</th>
<td><input type="number" name="num1" id="num1"/></td>
</tr>
<tr>
<th>Enter 2nd number</th>
<td><input type="number" name="num2" id="num2"/></td>
</tr>
```



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```
<br>
<tr >
<td>
<input type="button" value="+" onclick="performop(this.value)"/>
<input type="button" value="-" onclick="performop(this.value)"/>
<input type="button" value="*" onclick="performop(this.value)"/>
<input type="button" value="/" onclick="performop(this.value)"/>
</td>
</tr>
<tr>
<th>Result</th>
<tr>
<td><input type="text" name="res" id="res" readonly/></td>
</tr>
</tr>
<script src="cal.js"></script>
</table>
</body>
</html>
```

### JS:

```
function performop(op) {
var result = 0;
var n1=parseInt(document.getElementById("num1").value);
var n2=parseInt(document.getElementById("num2").value);
if (op=="+") {
var result=n1+n2 ;
}
else if(op=="-") {
var result=n1-n2;
}
else if(op=="*") {
var result=n1*n2;
}
else
{
var result=n1/n2
}
document.getElementById("res").value=result;
}
```

### CSS:



```
fieldset{  
background-color: aqua;  
width: 25%;  
}
```

**Output:**

calculator

**Enter 1st number**

5

**Enter 2nd number**

2

+ - \* /

**Result**

7

**8. Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format**

```
<html>  
<head>  
<title>squares and cubes</title>  
<style>  
td{  
background-color: rgba(33, 185, 212, 0.589);  
}  
</style>  
</head>  
<body>  
<table align="center" border="15" style="border-collapse: collapse; width: 30%; border-  
color: rgb(0, 205, 188)">  
<center><h1>SQUARES AND CUBES</h1></center>  
<tr style="background-color: rgb(8, 236, 141)">  
<th>Number</th>  
<th>Square</th>  
<th>Cube</th>  
</tr>
```





```
<script>
for(var n=0;n<=10;n++)
{
document.write("<tr><td>" + n + "</td><td>" + n * n + "</td><td>" + n * n * n + "</td></tr>");
}
</script>
</table>
</body>
</html>
```

**Output:**

## **SQUARES AND CUBES**

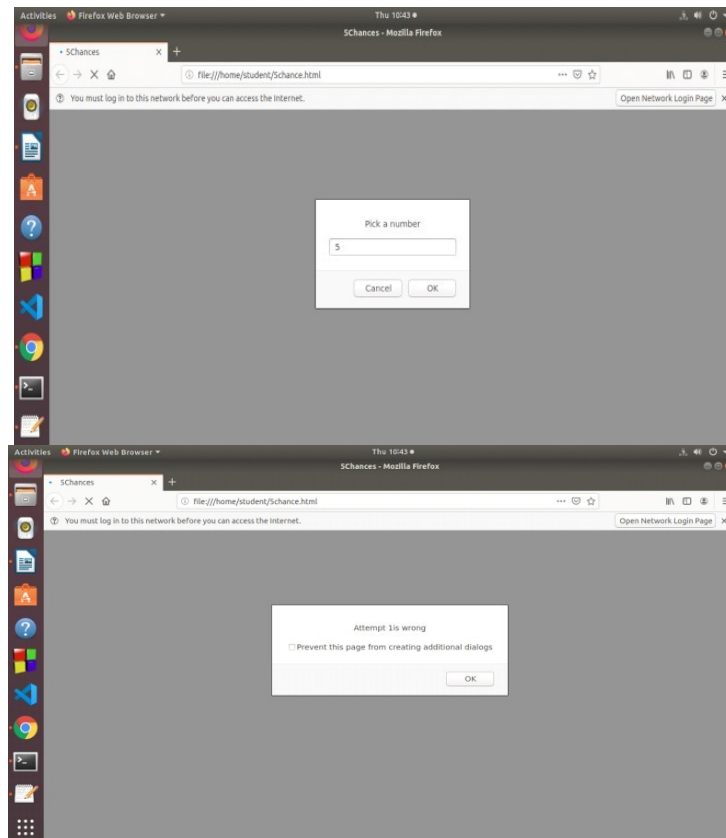
Number	Square	Cube
0	0	0
1	1	1
2	4	8
3	9	27
4	16	64
5	25	125
6	36	216
7	49	343
8	64	512
9	81	729
10	100	1000

**9. Write a Java script function that prompts the user to input a number, and then gives them 5 chances to guess the square of the number**

```
<html>
<head>
<title>5Chances</title>
</head>
<body>
<script>
var number=prompt("Pick a number"," ");
var num=parseInt(number);
var square,third,guess;
square=num*num;
for(var i=1;i<=5;i++)
{
third=prompt("What is "+num+"square"," ");
guess=parseInt(third);
if(guess==square)
{
```

```
alert("correct");  
break;  
}  
else  
{  
alert("Attempt "+i+"is wrong");  
}  
}  
</script>  
</body>  
</html>
```

### Output:



## Week 5

### Lab Programs:

**10. Write a Java script function that prompts the user for a color and uses what they typed to set the background color of the web page**

```
<!DOCTYPE HTML>
```



```
<html>
<head>
<title>
How to change the background color after clicking the button ?
</title>
</head>
<body style = "text-align:center;">
<h1 style = "color:green;" >
GeeksForGeeks
</h1>
<p id = "GFG_UP" style =
"font-size: 16px; font-weight: bold;">
</p>
<button onclick = "gfg_Run()">
Click here
</button>
<p id = "GFG_DOWN" style =
"color:green; font-size: 20px; font-weight: bold;">
</p>
<script>
var el_up = document.getElementById("GFG_UP");
var el_down = document.getElementById("GFG_DOWN");
var str = "Click on button to change the background color";
el_up.innerHTML = str;
function changeColor(color) {
document.body.style.background = color;
}
function gfg_Run() {
changeColor('yellow');
el_down.innerHTML = "Background Color changed";
}
</script>
</body>
</html>
```

### 11. Design a Signup form with all validations

```
<html>
<head>
<script>
function validate()
{
var msg="";
```



```
if(document.getElementById('log').value=="")
{
msg = "username";
}if(document.getElementById('pass').value=="")
{
if(msg!="")
{
msg+=" and "
}
msg+="password";
}
if(msg!="")
{
alert("provide "+msg);
return false;
}
}
</script>
</head>
<body>
<form action="login.php" method="post" onsubmit="return validate();" >
Login-Name: <input type="text" id="log"></br></br>
Pass-word: <input type="password" id="pass"></br></br>
<input type="submit" name="submit1" value="Login">
</form>
</body>
</html>
```

**12. Write a Java script program that changes the background color to green over onmousedown and it changes the background color to blue over onmouseup event.**

```
<div id="dis1" style=" position: relative; right: 0px; top: 10px; background-color: #f1f1f1;
width: 250px;
```

```
padding: 10px; color: black; border: #0000cc 2px dashed; "
```

```
onmousedown="this.style.background='yellow';"
```

```
onmouseup="this.style.background='PowderBlue';">
```

Bring Mouse inside this <br>Press and hold your mouse key first , then release it</div>

**Output:**

Bring Mouse inside this  
Press and hold your mouse  
key first , then release it



Bring Mouse inside this  
Press and hold your mouse  
key first , then release it

## Week 6

### Lab Programs:

**13. Write Java script code that will change the color of the background to red when the user brought the focus to the object and change the color to green when user has left the focus on the object.**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

Enter your name: <input type="text" onfocus="myFunction(this)"  
onfocusout="myFunction1(this)">

<p>When the input field gets focus, a function is triggered which changes the background-color.</p>

```
<script>
```

```
function myFunction(x) {
```

```
    document.body.style.background = "red";
```

```
}
```

```
function myFunction1(x) {
```

```
    document.body.style.background = "green";
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

### Output:



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Enter your name:

When the input field gets focus, a function is triggered which changes the background-color.

Enter your name:

When the input field gets focus, a function is triggered which changes the background-color.

**14. Write a JavaScript function that demonstrate double click event of mouse.**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p ondblclick="myFunction()">Double-click this paragraph to trigger a function.</p>
```

```
<p id="demo"></p>
```

```
<script>
```

```
function myFunction() {
```

```
    document.getElementById("demo").innerHTML = "Hello World";
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

**Output:**

Double-click this paragraph to trigger a function.

Double-click this paragraph to trigger a function.

Hello World



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### Week 7

Introduction to Server-Side Development with PHP, Program Control, Functions

#### Lab Programs:

**15. Write a PHP script to generate the following output**

1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5

```
<?php
for($a=1; $a<=5; $a++)
{
    for($b=1; $b<=$a; $b++)
    {
        echo "$b";
    }
    echo "<br>";
}
?>
```

#### Output:

1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5

**16. Write a PHP program to display a digital clock which displays the current time of the server.**

```
<!DOCTYPE HTML>
<html>
<head>
<meta http-equiv="refresh" content="1"/>
<style>
p {
color:white;
font-size:90px;
```



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```
position: absolute;
top: 50%;
left: 50%;
transform: translate(-50%, -50%);
}
body{background-color:black;}
</style>
<p> <?php echo date(" h: i : s A");?> </p>
</head>
</html>
```

**Output:**

**10: 44 : 08 AM**

### Week 8

PHP Arrays and Superglobals, Arrays, \$\_GET and \$\_POST Superglobal Arrays

#### Lab Programs:

**17. Write a HTML code that takes name and email as input and display the entered details using \$\_GET array.**

The Html document:

```
<html style="background:ff6667">
<body>

<form action="form.php" method="get">
Name: <input type="text" name="name"><br>
E-mail: <input type="email" name="email"><br>
<input type="Submit">
</form>

</body>
</html>
```

The php document:

```
<html style="background:#cc99ff">
<body>
```

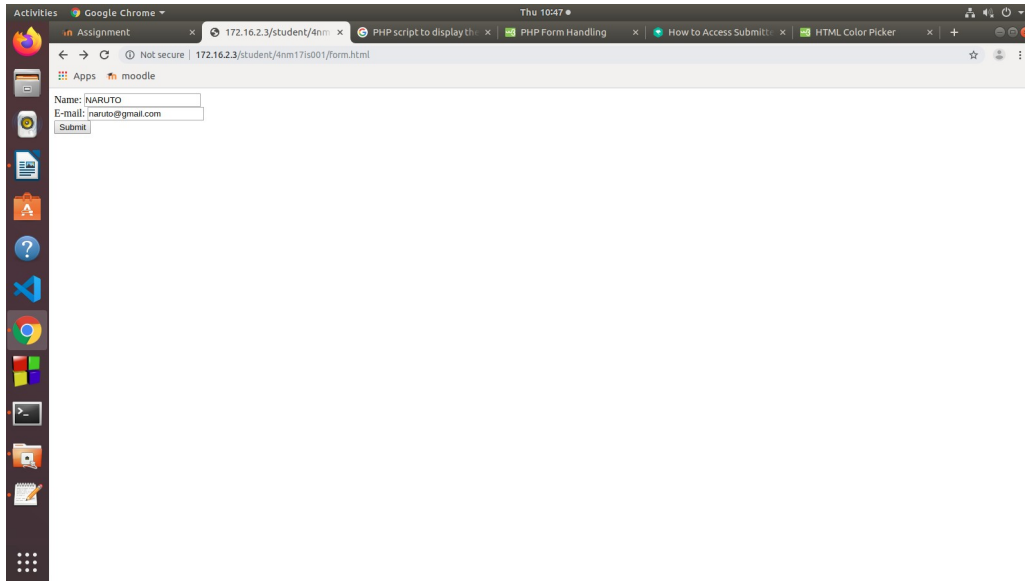
```
Welcome <?php echo $_GET["name"]; ?><br>
```



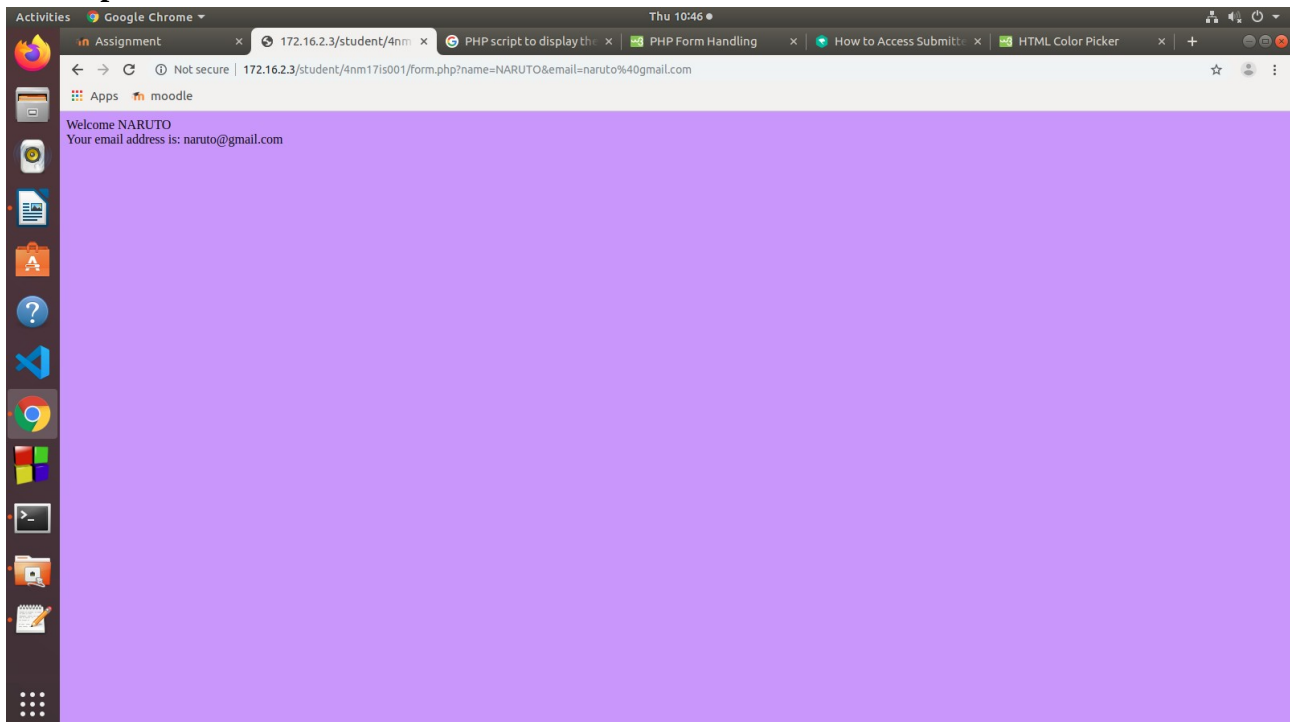
Your email address is: <?php echo \$\_GET["email"]; ?>

</body>

<html>



**Output:**



**18. Write a HTML code that takes user name and password as input and display the entered details using \$\_POST array.**

<!DOCTYPE html>



```
<html>
<head>
  <title></title>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
</head>
<body>
  <form method='POST'>
    <h2>Please input your name:</h2>
    <input type="text" name="name">
    <input type="password" name="Password">
    <input type="submit" value="Submit Name">
  </form>
  <?php
//Retrieve name from query string and store to a local variable
$name = $_POST['name'];
$password=$_POST['Password'];
echo "<h3> Hello $name </h3>";
?>
</body>
</html>
```

**Output:**

## Week 9

### 19. To Generate Fahrenheit and Celsius table using PHP

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Untitled Document</title>
</head>
<body>
<?php
$far = 89;
$cel=($far - 32) * (5/9);
echo "Temprature in Fahrenheit is : $far". "<br />";
```



```
echo "Temprature in Celcius is : $cel" ;  
?>  
</body>  
</html>
```

**20. Write a PHP script to do the following**

**i) create 2 Arrays**

**ii) sort Arrays**

**iii) find common elements from array**

**iv) remove duplicates from an array**

```
<?php  
$nums = array(23,65,43,21,67,43);  
  
$nums2 = array(45,23,21,20,18,18);  
  
echo "sorted array 1 <br>";  
sort($nums);  
$length = count($nums);  
for($i = 0; $i < $length; $i++) {  
    echo $nums[$i]; echo " ";  
}  
echo "<br>";  
echo "sorted array 2 <br>";  
sort($nums2);  
$length = count($nums2);  
for($i = 0; $i < $length; $i++) {  
    echo $nums2[$i]; echo " ";  
}  
echo "<br>";  
$result = array_intersect($nums, $nums2);  
echo "Common elements <br>";  
$length = count($result);  
for($i = 0; $i < $length; $i++) {  
    echo $result[$i]; echo " ";  
}  
echo "<br>";  
  
echo "unique array 1 <br>";  
$a=array_unique($nums);  
$length = count($a);  
for($i = 0; $i < $length; $i++) {  
    echo $a[$i]; echo " ";
```



```
}
echo "<br>";
echo "unique array 2 <br>";
$a=array_unique($nums2);
$length = count($a);
for($i = 0; $i < $length; $i++) {
    echo $a[$i]; echo " ";
}
echo "<br>";
?>
```

**Output:**

```
sorted array 1
21 23 43 43 65 67
sorted array 2
18 18 20 21 23 45
Common elements
21 23
unique array 1
21 23 43 65
unique array 2
18 20 21 23
```

**Week 9**

Reading/Writing Files

**Lab Programs:**

**21. Write a PHP script that accepts filename,extension, text content and writes into file.**

```
<html>
<body>
<form method="post">
Enter the filename <input type="text" name="file"><br><br>
Enter the extension<br><br>
<select name="ext">
<option value="txt">txt</option>
<option value="pdf">pdf</option>
<option value="doc">doc</option>
</select>
<br><br>
Enter the text<br><br>
<textarea name="cont"></textarea><br>
<input type="submit" value="submit" name="submit">
```



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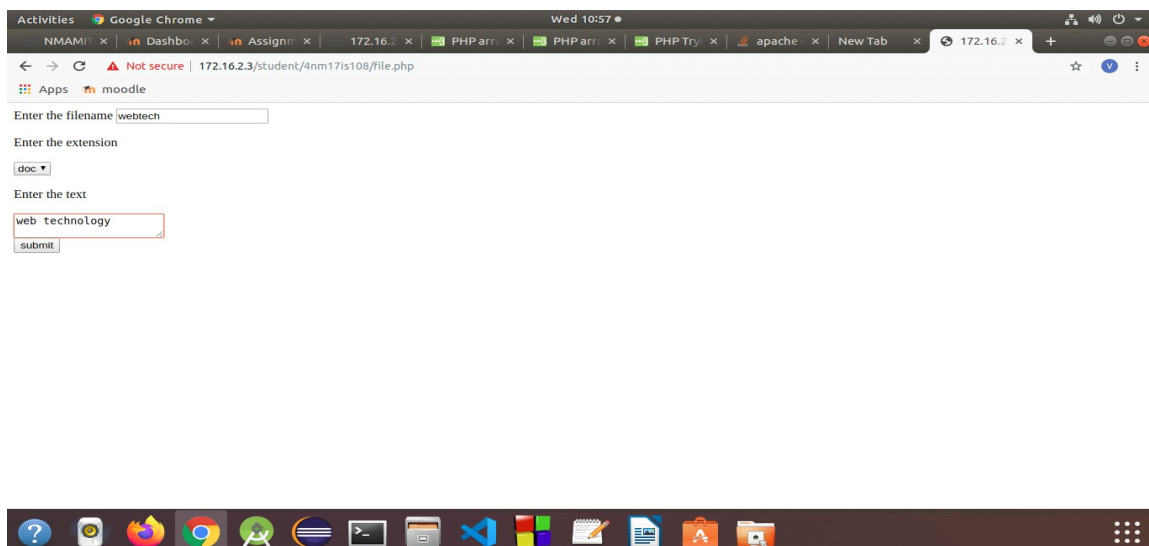
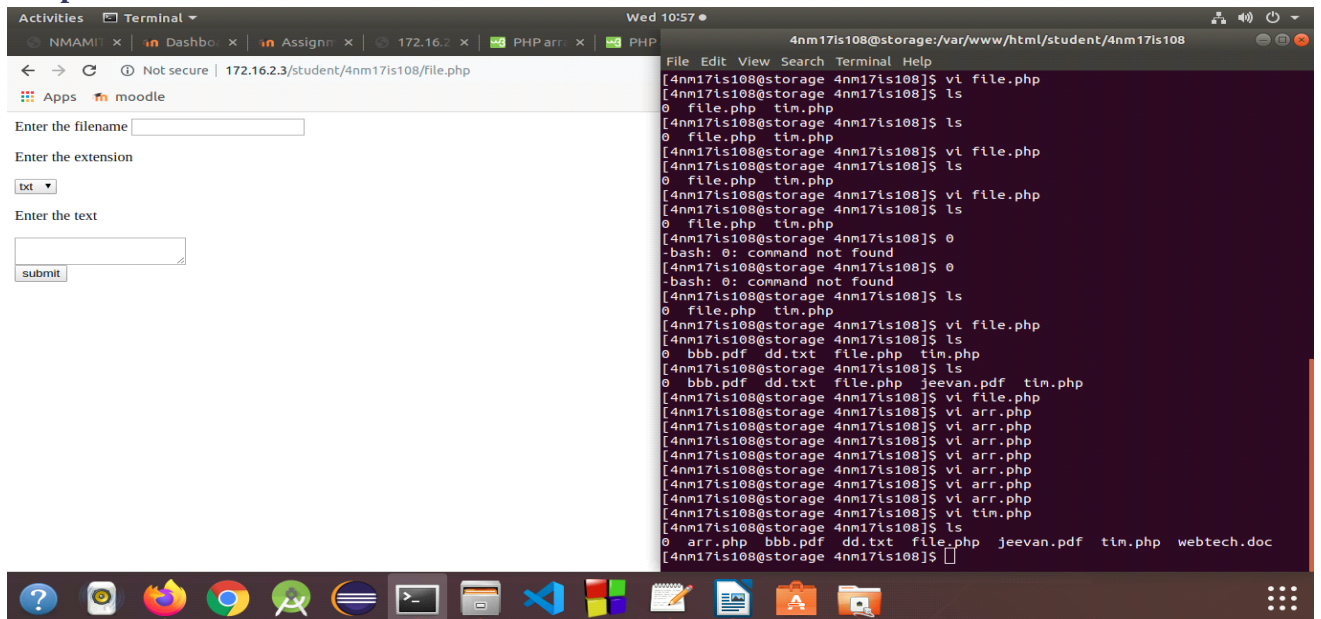
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```
</body>
</html><br><br>
<?php
if(isset($_POST["submit"]))
{
$name=$_POST['file'];
$ext=$_POST['ext'];
$cont=$_POST['cont'];
file_put_contents($name.".".$ext,$cont) or die("unable to open");

}
?>
```

### Output:





**22. Write a PHP script to accept user input data and store it in a text file**

```
<?php
$myfile = fopen("newfile.txt", "w") or die("Unable to open
file!");
$txt = "John Doe\n";
fwrite($myfile, $txt);
$txt= readline('Enter a string: ');
fwrite($myfile, $txt);
fclose($myfile);
?>
```

**23. Write a PHP script to display the contents of the file**

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

<?php
echo file_get_contents("test.txt");
?>

</body>
</html>
```

**Output:**

Hello, this is a test file. There are three lines here. This is the last line.

**Week 10**

MySQL Database Creation, Create Table, Insert Data, Select Data, Order Data, Delete, Update Data

**24. Write a PHP program to connect to a database and retrieve data from a table and show the details in a neat format, Insert Data and show the entered Data, Select Data, Order Data, Delete, Update Data**

**Steps:**

**Login to ssh using ur usn :** \$ssh usn@172.16.2.3

**password :** usn

**Login to Mysql :** mysql -u student -p

**password :** student

use student



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### Creating table

create table Sample( Fname varchar(30) , Lname varchar(30), Country varchar(40) , Subject varchar(200 ) );

```

4nm18is001@storage:/var/www/html/student/4nm18is001
nmamit@Testing: -
4nm18is001@storage:/var/www/html/student/4nm18is001

4nm18is001@172.16.2.3's password:
Last login: Fri Jan 29 11:19:46 2021 from 172.16.14.245

      NMAMIT, CS and IS Department
      Feel The Power Of Freedom, LINUX
#####
      Should not store other than your lab program
[4nm18is001@storage ~]$ cd /var/www/html/student/
[4nm18is001@storage student]$ mkdir 4nm18is001
[4nm18is001@storage student]$ cd 4nm18is001/
[4nm18is001@storage 4nm18is001]$ vi Sample.php
[4nm18is001@storage 4nm18is001]$ pwd
/var/www/html/student/4nm18is001
[4nm18is001@storage 4nm18is001]$ mysql -u student -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 5.0.77 Source distribution

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> use student
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> create table Sample(Fname varchar(30),Lname varchar(30),Country varchar(40),Subject varchar(200));
Query OK, 0 rows affected (0.02 sec)

mysql>

```

### Insert values into the table:

INSERT INTO table\_name VALUES (value1, value2, value3, ...);

Example:

```

INSERT INTO Customers (CustomerName, ContactName, Address, City, PostalCode,
Country)
VALUES ('Cardinal', 'Tom B. Erichsen', 'Skagen 21', 'Stavanger', '4006', 'Norway');

```

### Using Select Clause

SELECT \* FROM table\_name;

### Using Upate Clause

UPDATE table\_name



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SET column1 = value1, column2 = value2, ...

WHERE condition;

### Using Order Clause

SELECT column1, column2, ...

FROM table\_name

ORDER BY column1, column2, ... ASC|DESC;

### Using Delete Clause

DELETE FROM table\_name WHERE condition;

## Week 11

PHP cookies

### Lab Programs:

25. Write a PHP script that shows the usage of cookies.

#### Example

```
$value=$_COOKIE["CookieName");//returns cookie value
```

### PHP Cookie Example

File: cookie1.php

```
<?php
setcookie("user", "Sonoo");
?>
<html>
<body>
<?php
if(!isset($_COOKIE["user"])) {
    echo "Sorry, cookie is not found!";
} else {
    echo "<br/>Cookie Value: " . $_COOKIE["user"];
}
?>
</body>
</html>
```





Output:

Sorry, cookie is not found!

Firstly cookie is not set. But, if you *refresh* the page, you will see cookie is set now.

Output:

Cookie Value: Sonoo

## Week 12

jQuery Introduction: What is jQuery, Adding jQuery in to your web pages, jQuery Syntax, jQuery Selectors, jQuery Events.

### Lab Programs:

#### 26. Change Text Color of the Elements Using JQuery

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
    $("button").click(function(){
        $("p").css("color", "red");
    });
});
</script>
</head>
<body>

<button>Set the color property of all p elements</button>

<p>This is a paragraph.</p>
<p>This is another paragraph.</p>

</body>
</html>
```

**Output:**



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Set the color property of all p elements

This is a paragraph.

This is another paragraph.

Set the color property of all p elements

This is a paragraph.

This is another paragraph.

## 27. Click event Double click event in jQuery

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("p").dblclick(function(){
    alert("The paragraph was double-clicked.");
  });
});
</script>
</head>
<body>

<p>Double-click on this paragraph.</p>

</body>
</html>
```

**Output:**



Double-click on this **paragraph**.

An embedded page on this page says  
The paragraph was double-clicked.

OK

### Week 13

#### 28. Creating a simple show and hide effect in jQuery

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("#hide").click(function(){
    $("p").hide();
  });
  $("#show").click(function(){
    $("p").show();
  });
});
</script>
</head>
<body>

<p>If you click on the "Hide" button, I will disappear.</p>

<button id="hide">Hide</button>
<button id="show">Show</button>

</body>
</html>
```

**Output:**



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If you click on the "Hide" button, I will disappear.

Hide

Show

Hide

Show