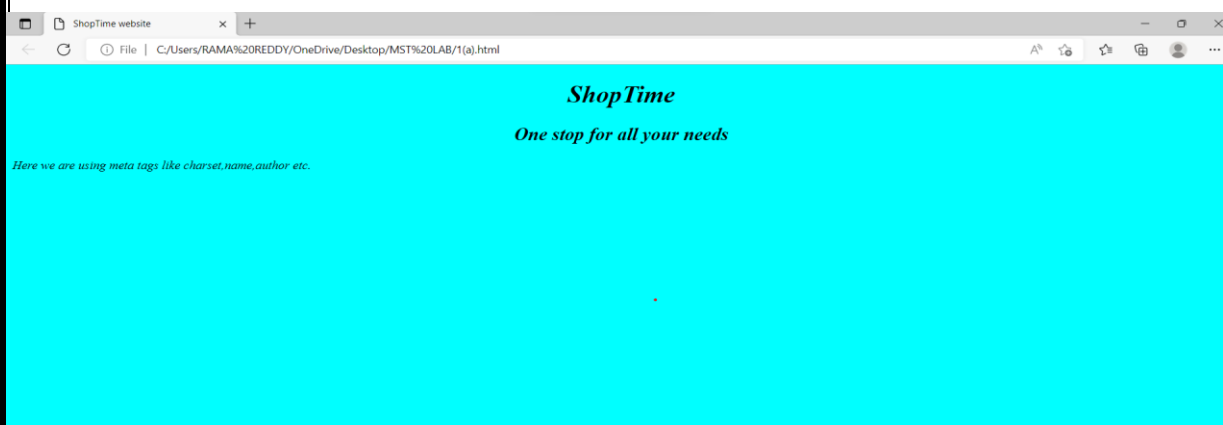


1a) Course Name: HTML5 - The Language Module Name: Case-insensitivity, Platform independency, DOCTYPE Declaration, Types of Elements, HTML Elements - Attributes, Metadata Element Include the Metadata element in Homepage.html for providing description as "IEKart's is an online shopping website that sells goods in retail. This company deals with various categories like Electronics, Clothing, Accessories etc.

Program:

```
<!DOCTYPE HTML>
<html>
<head>
<title>ShopTime website</title>
<meta charset="UTF-8">
<meta name="description" content="ShopTime is an online shopping
website that sells goods in retail. This company deals with various
categories like Electronics, Clothing, Accessories etc">
<meta name="keywords" content="clothing,footwear,shopping">
<meta name="author" content="Myself">
<meta name="viewport" content="width=device-width,initial-
scale=1.0">
</head>
<body bgcolor="cyan">
<h1 align="center"><i>ShopTime</i></h1>
<h2 align="center"><i>One stop for all your needs</i></h2>
<p>Here we are using meta tags like charset,name,author etc.</p>
</body>
</html>
```

Output:



1b) Course Name: HTML5 - The Language Module Name: Sectioning Elements Enhance the Homepage.html of IEKart's Shopping Application by adding appropriate sectioning elements.

Program:

```
<!DOCTYPE HTML>
<html>
<head>
<title>ShopTime website</title>
</Head>
<body bgcolor="cyan">
<h1 align="center"><i>ShopTime</i></h1>
<h2 align="center"><i>One stop for all your needs</i></h2>
<nav align="center"><h3>
    Home || Login || Register || Wishlist || My Orders ||
    Help</h3></nav>
<main>
<section>
<p>Clothing</p>
</section>
<section>
<p>Footwear</p>
</section>
<section>
<p>Electronics</p>
</section>
<section>
<p>Furniture</p>
</section>
<section>
<p>Cosmetics</p>
</section>
</main>
<article>
<h1>Special Offer</h1>
<aside>
<p>Download our app at PlayStore and win exciting
prizes.</p></aside>
</article>
</body>
<footer>
```





Exp No:
Date:

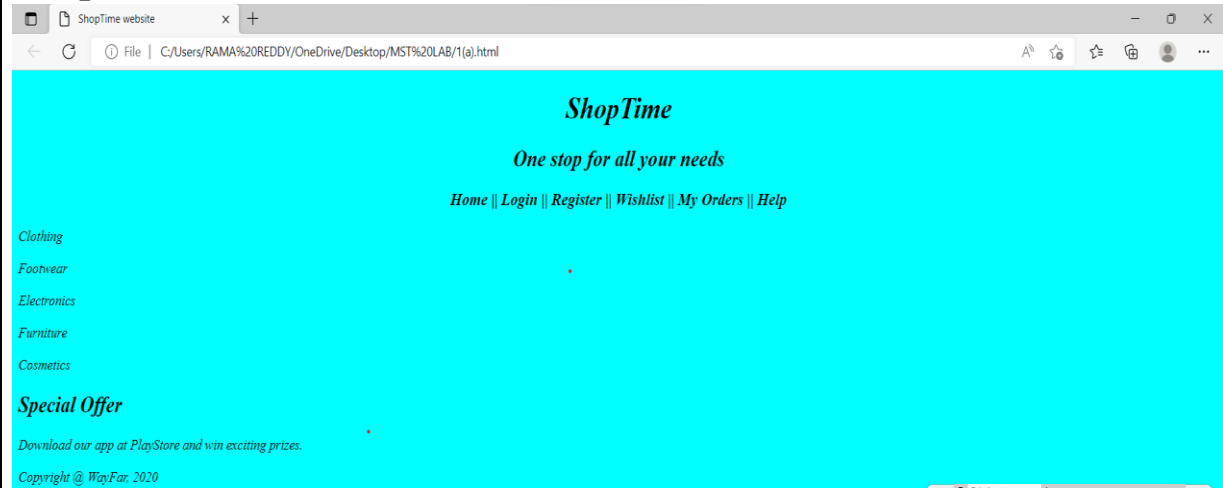
Page No:

Copyright @ WayFar, 2020

</footer>

</html>

Output:

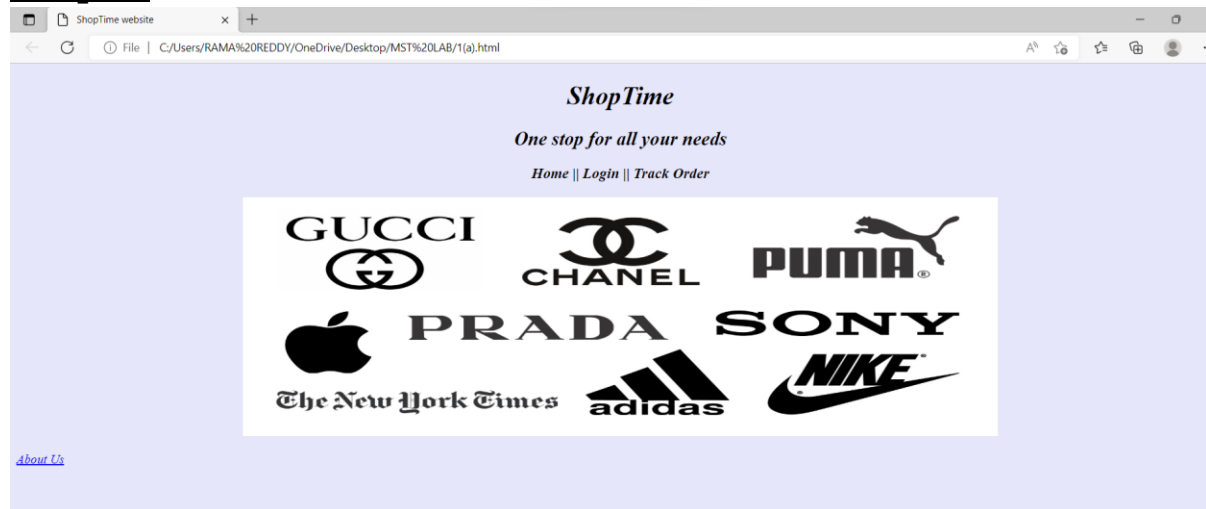


1c) Course Name: HTML5 - The Language Module Name: Paragraph Element, Division and Span Elements, List Element Make use of appropriate grouping elements such as list items to "About Us" page of IEKart's Shopping Application.

Program:

```
<!DOCTYPE HTML>
<html>
<head>
<title>ShopTime website</title>
</Head>
<body bgcolor="lavender">
<h1 align="center"><i>ShopTime</i></h1>
<h2 align="center"><i>One stop for all your needs</i></h2>
<nav align="center"><h3>
    Home || Login || Track Order </h3>
</nav>
<center>
<p></p>
</center>
</body>
<footer>
<a href="aboutus.html">About Us</a>
</footer>
</html>
```

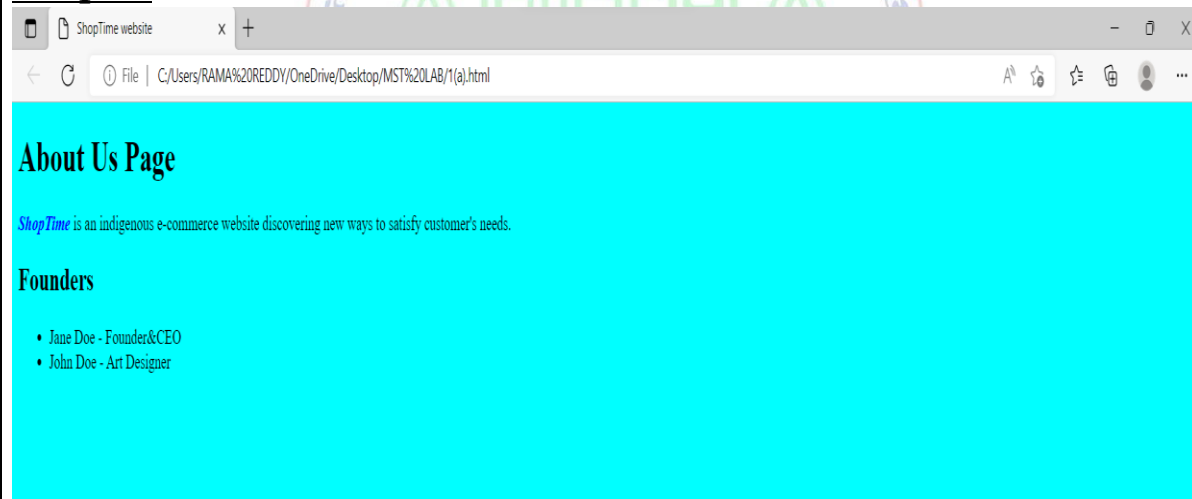
Output:



Aboutus.html:

```
<!DOCTYPE HTML>
<html>
<head>
<title>ShopTime website</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
</Head>
<body bgcolor="cyan">
<div class="about-section">
<h1>About Us Page</h1>
<p><span style="color:blue;font-
weight:bold"><i>ShopTime</i></span> is an indigenous e-commerce
website discovering new ways to satisfy customer's needs.</p></div>
<h2>Founders</h2>
<ul>
<li>Jane Doe - Founder&CEO</li>
<li>John Doe - Art Designer</li>
</ul>
</body>
</html>
```

Output:

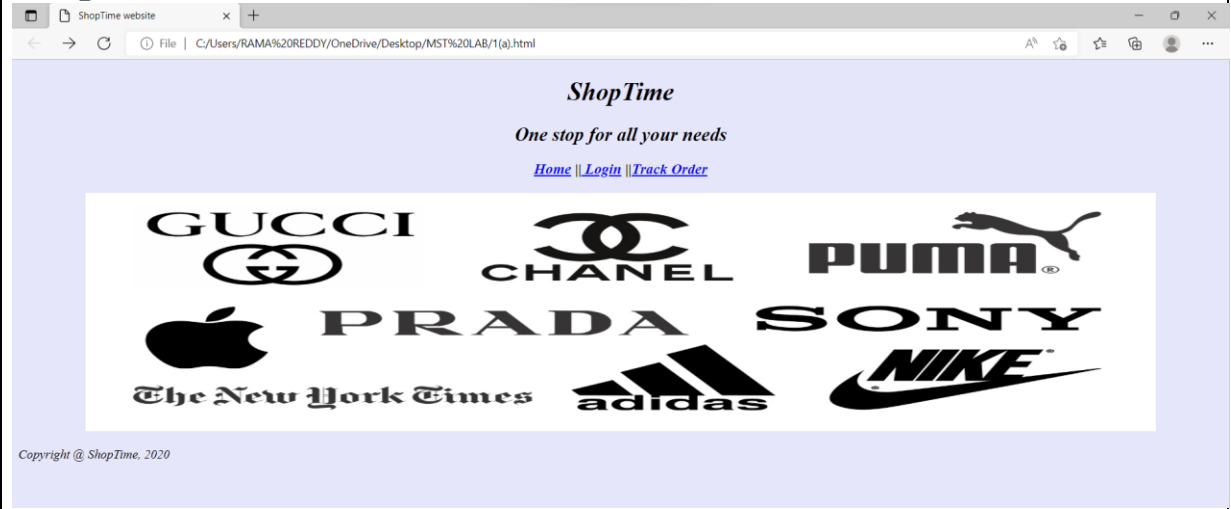


1d) Course Name: HTML5 - The Language Module Name: Link Element Link "Login", "SignUp" and "Track order" to "Login.html", "SignUp.html" and "Track.html" page respectively. Bookmark each category to its details of IEKart's Shopping application.

Program:

```
<!DOCTYPE HTML>
<html>
<head>
<title>ShopTime website</title>
<meta charset="UTF-8">
<meta name="description" content="ShopTime is an online shopping
website that sells goods in retail. This company deals with various
categories like Electronics, Clothing, Accessories etc">
<meta name="keywords" content="clothing,footwear,shopping">
<meta name="author" content="Myself">
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
</head>
<body bgcolor="lavender">
<h1 align="center"><i>ShopTime</i></h1>
<h2 align="center"><i>One stop for all your needs</i></h2>
<nav align="center"><h3>
<a href="home.html">Home</a> | <a href="login.html"> Login</a>
| <a href="trackorder.html">Track Order</a></h3>
</nav>
<center>
<p></p>
</center>
</body>
<footer>
  Copyright @ ShopTime, 2020
</footer>
</html>
```

Output:

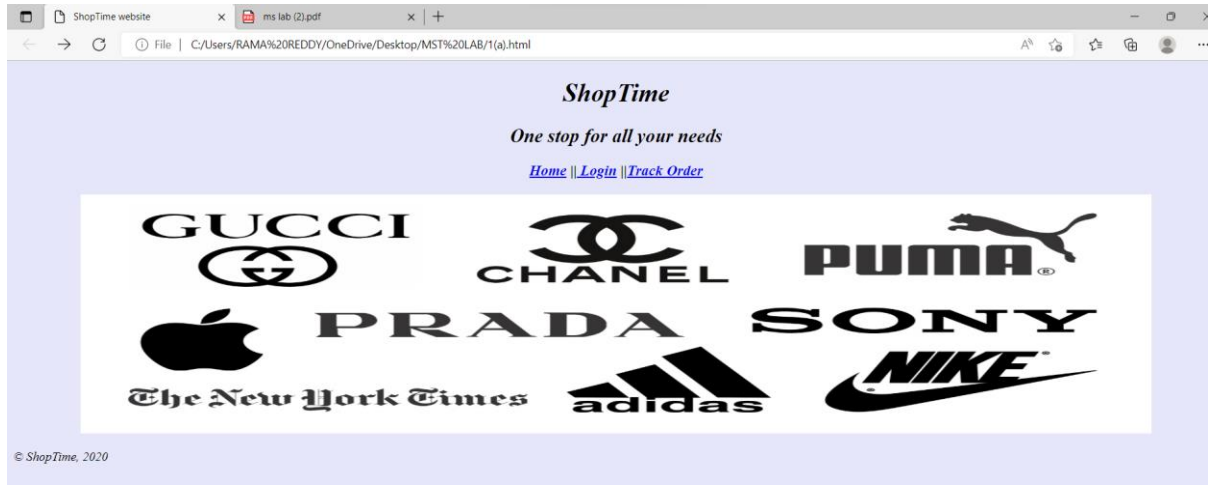


1e) Course Name: HTML5 - The Language Module Name: Character Entities Add the © symbol in the Home page footer of IEKart's Shopping application.

Program:

```
<!DOCTYPE HTML>
<html>
<head>
<title>ShopTime website</title>
<meta charset="UTF-8">
<meta name="description" content="ShopTime is an online shopping
website that sells goods in retail. This company deals with various
categories like Electronics, Clothing, Accessories etc">
<meta name="keywords" content="clothing,footwear,shopping">
<meta name="author" content="Myself">
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
</head>
<body bgcolor="lavender">
<h1 align="center"><i>ShopTime<i></h1>
<h2 align="center"><i>One stop for all your needs<i></h2>
<nav align="center"><h3>
<a href="home.html">Home</a> | <a href="login.html"> Login</a>
| <a href="trackorder.html">Track Order</a></h3>
</nav>
<center>
<p></p>
</center>
</body>
<footer>
&copy; ShopTime, 2020
</footer>
</html>
```


Output:

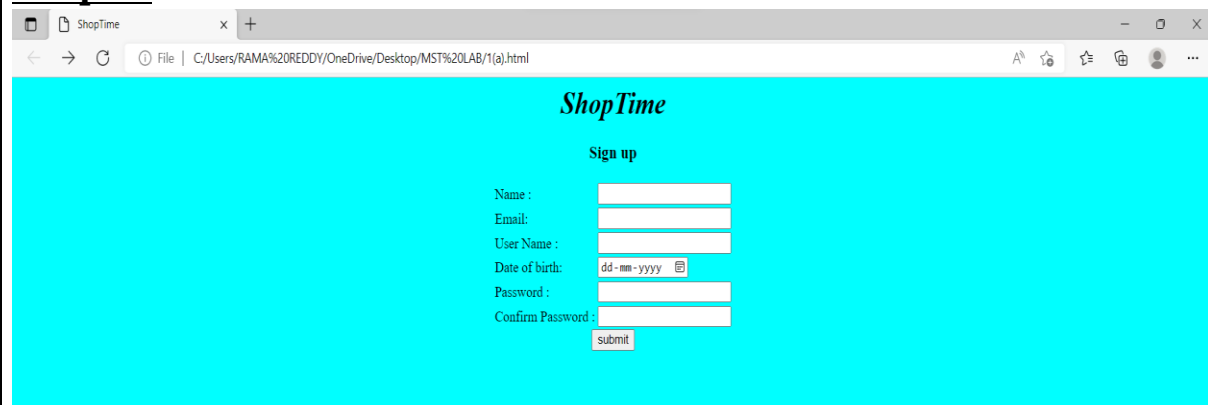


1f) Course Name: HTML5 - The Language Module Name: HTML5 Global Attributes Add the global attributes such as contenteditable, spellcheck, id etc. to enhance the Signup Page functionality of IEKart's Shopping application.

Program:

```
<html>
<head>
<title>ShopTime</title>
</head>
<body bgcolor="cyan">
<h1 align="center"><i>ShopTime</i></h1>
<form>
<center>
<h3>Sign up</h3>
<table>
<tr><td>Name :</td><td><input type="text"></td></tr>
<tr><td>Email:</td><td><input type="email" contenteditable="true"
spellcheck="true" ></td></tr>
<tr><td>User Name :</td><td><input type="text"></td></tr>
<tr><td>Date of birth:</td><td><input type="date"></td></tr>
<tr><td>Password :</td><td><input type="password"></td></tr>
<tr><td>Confirm Password :</td><td><input
type="password"></td></tr></table>
<input type="submit" value="submit">
</form>
</center>
</body>
</html>
```

Output:



ShopTime

Sign up

Name :

Email:

User Name :

Date of birth:

Password :

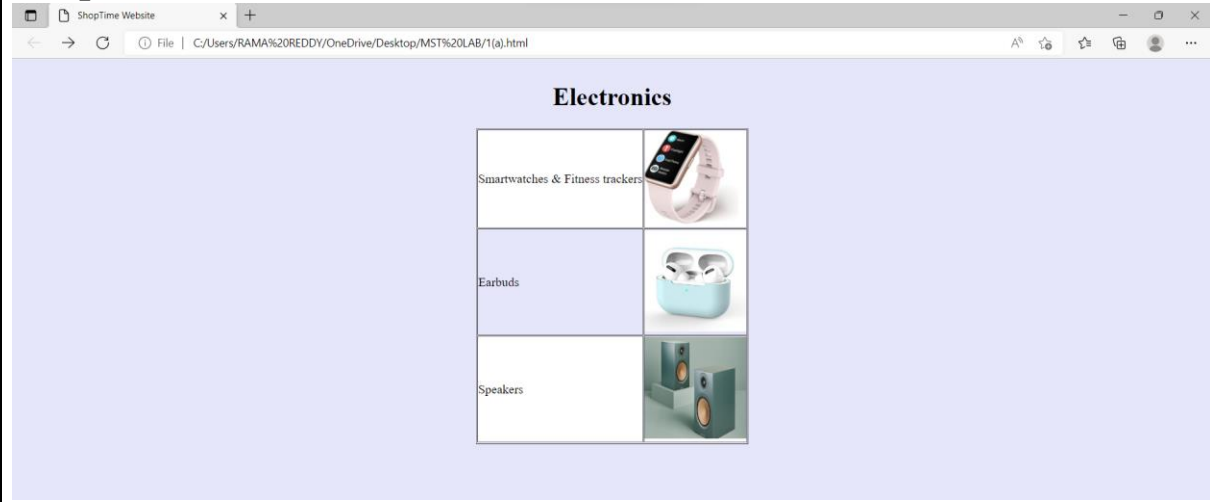
Confirm Password :

2a) Course Name: HTML5 - The Language Module Name: Creating Table Elements, Table Elements :Colspan/Rowspan Attributes, border, cellspacing, cellpadding attributes Enhance the details page of IEKart's Shopping application by adding a table element to display the available mobile/any inventories.

Program:

```
<!DOCTYPE HTML>
<html>
<head>
<title>ShopTime Website</title>
</head>
<body bgcolor="lavender">
<table cellpadding="1" cellspacing="0" border="1" align="center">
<caption><h1>Electronics</h1></caption>
<b><tr bgcolor="white"><td>Smartwatches & Fitness
trackers</td><td></td></tr>
<tr><td>Earbuds</td><td></td></tr>
<tr bgcolor="white"><td>Speakers</td><td></td></tr></b>
</table>
</body>
</html>
```

Output:



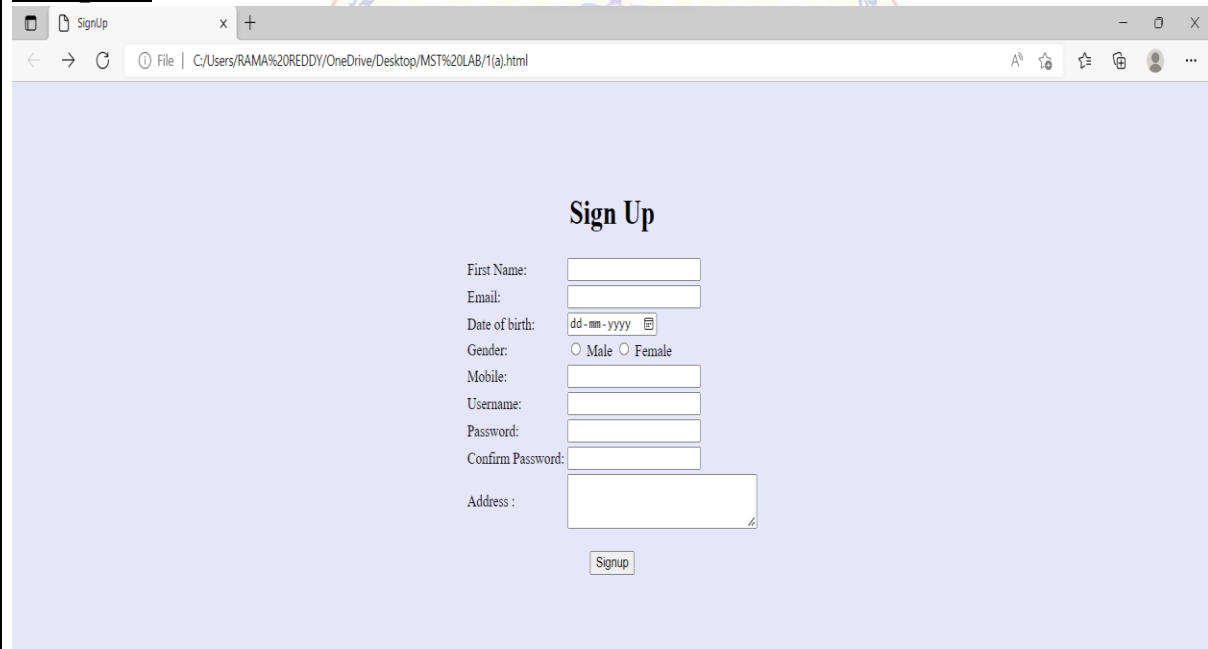
2b) Course Name: HTML5 The Language Module Name: Creating Form Elements, Color and Date Pickers, Select and Datalist Elements Using the form elements create Signup page for IEKart's Shopping application.

Program:


```
<html>
<head>
    <title>SignUp</title>
</head>
<body bgcolor="lavender">
<form align="center">
<table align=center>
<caption><h1>Sign Up</h1></caption>
<tr>
<td><label>First Name:</label></td>
<td><input type="text"></td>
<br>
</tr>
<tr>
<td><label>Email:</label></td>
<td><input type="email" ><br></td>
</tr>
<tr>
<td><label>Date of birth:</label></td>
<td><input type="date"></td>
</tr>
<tr>
<td><label>Gender: </label><td>
<input type="radio" name="gender" value="Male"> Male
<input type="radio" name="gender" value="Female"> Female
</td><br>
</tr>
<tr>
<td><label>Mobile:</label></td>
<td><input type="number" ><br></td>
</tr>
<tr>
<td><label>Username:</label></td>
<td><input type="text"><br></td>
```

```
</tr>
<tr>
<td><label>Password:</label></td>
<td><input type="password" ><br></td>
</tr>
<tr>
<td><label>Confirm Password:</label></td>
<td><input type="password" ><br></td>
</tr>
<tr rowspan="3">
<td><label>Address :<br></label></td>
<td><textarea rows="3" cols="30" ></textarea></td>
</tr><br><br>
</table>
<br><button type="submit">Signup</button>
</form>
</body>
</html>
```

Output:



The screenshot shows a web browser window with a single tab titled 'SignUp'. The address bar shows the file path: 'C:/Users/RAMA%20REDDY/OneDrive/Desktop/MST%20LAB/1(a).html'. The page content is a 'Sign Up' form on a light purple background. The form fields are as follows:

- First Name:
- Email:
- Date of birth: 
- Gender: ☐ Male ☐ Female
- Mobile:
- Username:
- Password:
- Confirm Password:
- Address :

At the bottom of the form is a 'Signup' button.

2c) Course Name: HTML5 The Language Module Name: Input Elements - Attributes Enhance Signup page functionality of IEKart's Shopping application by adding attributes to input elements.

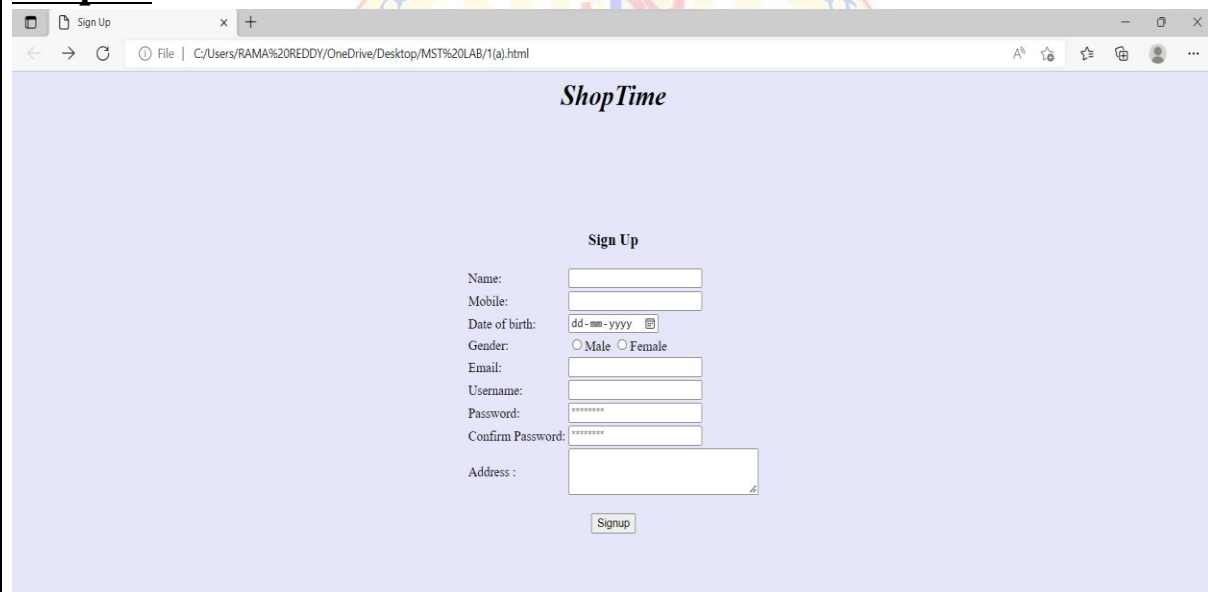
Program:

```
<html>
<head>
<title>Sign Up</title>
</head>
<body bgcolor="lavender">
<form align="center">
<table align=center>
<h1 align="center"><i>ShopTime</i></h1>
<caption><h3>Sign Up</h3></caption>
<tr>
<td><label>Name:</label></td>
<td><input type="text"></td><br>
</tr>
<tr>
<td><label>Mobile:</label></td>
<td><input type="number" autocomplete="on"></td><br>
</tr>
<tr>
<td><label>Date of birth:</label></td>
<td><input type="date"></td>
</tr>
<tr>
<td><label>Gender: </label></td>
<td><input type="radio" name="gender" value="Male">Male
<input type="radio" name="gender" value="Female">Female</td><br>
</tr>
<tr>
<td><label>Email:</label></td>
<td><input type="email"><br></td>
</tr>
<tr>
<td><label>Username:</label></td>
<td><input type="text" pattern="[A-Zaz]" maxlength="20"
minlength="9"><br></td>
</tr>
```



```
<tr>
<td><label>Password:</label></td>
<td><input type="password" placeholder="*****"><br></td>
</tr>
<tr>
<td><label>Confirm Password:</label></td>
<td><input type="password" placeholder="*****"><br></td>
</tr>
<tr rowspan="3">
<td><label>Address :<br></label></td>
<td><textarea rows="3" cols="30" spellcheck="true"
></textarea></td></tr><br><br>
</table>
<br><button type="submit">Signup</button>
</form>
</body>
</html>
```

Output:



The screenshot shows a web browser window with a single tab titled 'Sign Up'. The address bar shows the file path: C:/Users/RAMA%20REDDY/OneDrive/Desktop/MST%20LAB/1(a).html. The page has a light blue background and a title 'ShopTime' in a stylized font. Below the title, there is a 'Sign Up' form with the following fields: Name, Mobile, Date of birth (with a calendar icon), Gender (radio buttons for Male and Female), Email, Username, Password (with a strength indicator), Confirm Password (with a strength indicator), and Address. A 'Signup' button is located at the bottom of the form.

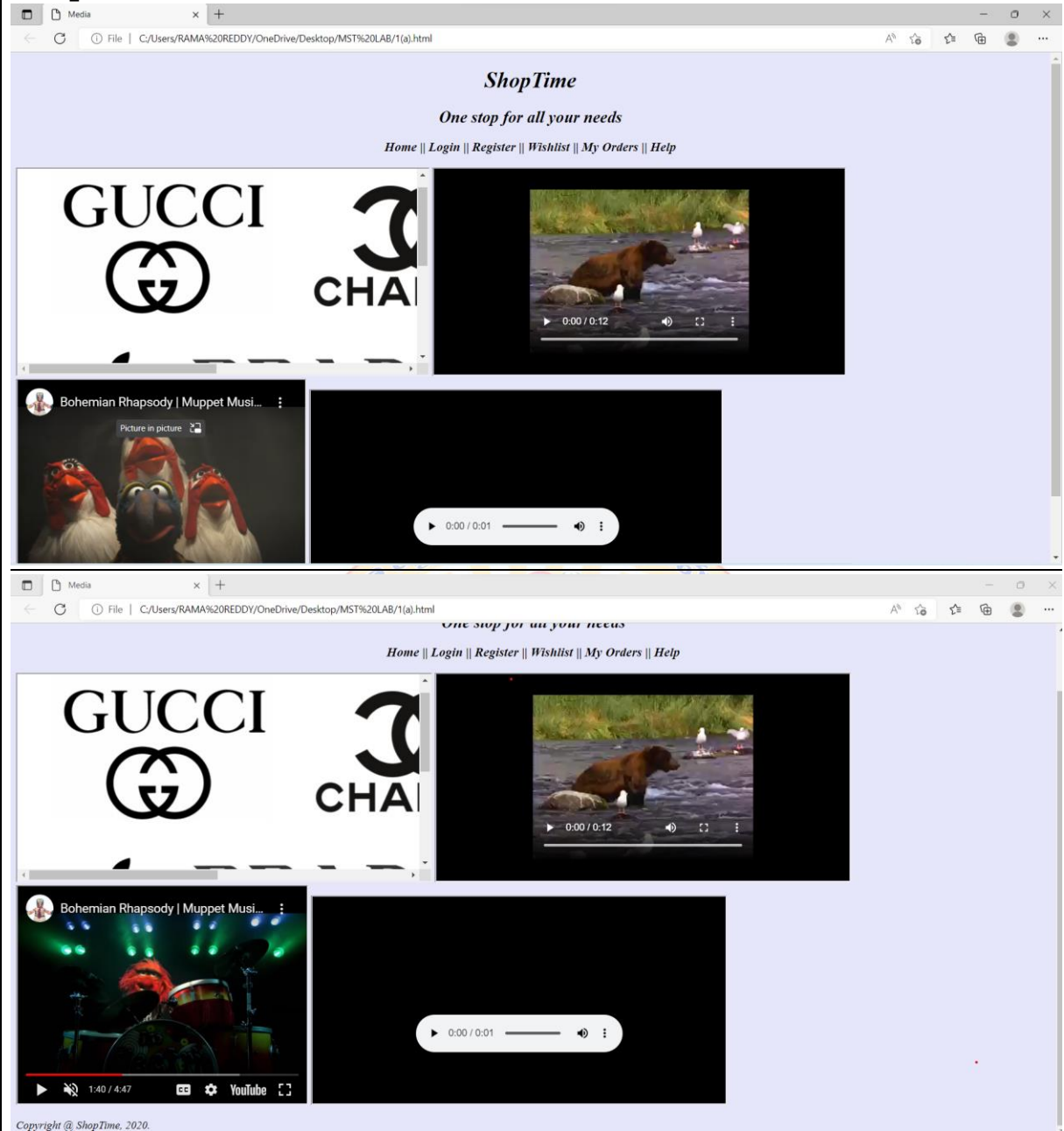
2d) Course Name: HTML5 The Language Module Name: Media, Iframe Add media content in a frame using audio, video, iframe elements to the Home page of IEKart's Shopping application.

Program:

```
<!DOCTYPE html>
<html>
<head>
<title>Media</title>
</head>
<body bgcolor="lavender">
<h1 align="center"><i>ShopTime<i></h1>
<h2 align="center"><i>One stop for all your needs<i></h2>
<header>
<nav align="center"><h3>
    Home || Login || Register || Wishlist || My Orders ||
    Help</h3>
</nav>
<center>
</header>
<p>
<iframe src="https://www.logomaker.com/wp-
content/uploads/2018/01/FLS-Blog-Black-Logos_Hero.jpg"
name="iframe_1" height="300" width="600" title="Iframe
Example"></iframe>
<iframe src="C:\Users\RAMA REDDY\Downloads\movie.mp4"
type="video/mp4" name="iframe_2" height="300" width="600"
title="Iframe Example"></iframe>
<iframe width="420" height="315"
src="https://www.youtube.com/embed/tgbNymZ7vqY?autoplay=1&m
ute=1"
name="iframe_3" height="100" width="120" title="Iframe Example">
</iframe>
<iframe src="C:\Users\RAMA REDDY\Downloads\mixkit-horse-
stallion-snore-75.wav" type="audio/mpeg" name="iframe_4"
height="300" width="600" title="Iframe Example"></iframe>
</p>
</body>
<footer>
    Copyright @ ShopTime, 2020.
</footer>
```

</html>

Output:

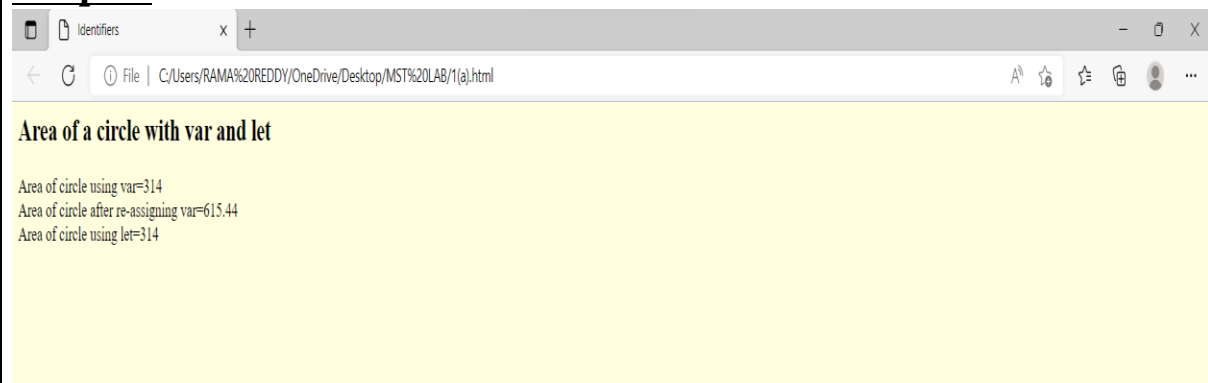


3.a Course Name: Javascript Module Name: Type of Identifiers

Write a JavaScript program to find the area of a circle using radius (var and let - reassign and observe the difference with var and let) and PI (const).

Program:

```
<html>
<head>
<title>Identifiers</title>
</head>
<body bgcolor="lightyellow">
<h2>Area of a circle with var and let</h2>
<script>
var rad=10;
const pi=3.14;
area=pi*rad*rad;
document.write("Area of circle using var="+area+"<br>");
var rad=14;
area=pi*rad*rad;
document.write("Area of circle after re-assigning var="+area+"<br>");
let radius=10;
area=pi*radius*radius;
document.write("Area of circle using let="+area+"<br>");
let radius=14;
</script>
</body>
</html>
```

Output:

Using Let:

```
<html>
<head>
<title>Identifiers</title>
</head>
<body bgcolor="lightyellow">
<h2>Area of a circle with var and let</h2>
<script>
var rad=10;
const pi=3.14;
area=pi*rad*rad;
document.write("Area of circle using var="+area+"<br>");
var rad=14;
area=pi*rad*rad;
document.write("Area of circle after re-assigning var="+area+"<br>");
let radius=10;
area=pi*radius*radius;
document.write("Area of circle using let="+area+"<br>");
let radius=14;
area=pi*radius*radius;
document.write("Area of circle after re-assigning let="+area+"<br>");
</script>
</body>
</html>
```

Output:

3b) Course Name: Javascript Module Name: Primitive and Non Primitive Data Types Write JavaScript code to display the movie details such as movie name, starring, language, and ratings. Initialize the variables with values of appropriate types. Use template literals wherever necessary.

Program:

```
<html>
<head>
<title>Movie Details</title>
<style>
div#maincontent{
height:100px;
width:500px;
border:1px solid #CEE2FA;
text-align:left;
color:#08438E;
font-family:calibri;
font-size:20;
padding:5px;
}
div#heading{
text-decoration:bold;
text-align:center;
margin-top:80px;
width:500px;
border:1 px solid #CEE2FA;
text-align:center;
color:#08438E;
background-color:#CEE2FA;
font-family:calibri;
font-size:20;
padding:5px;
}
</style>
</head>
<body>
<center>
<div id="heading">Movie Details</div>
<div id="maincontent">
```





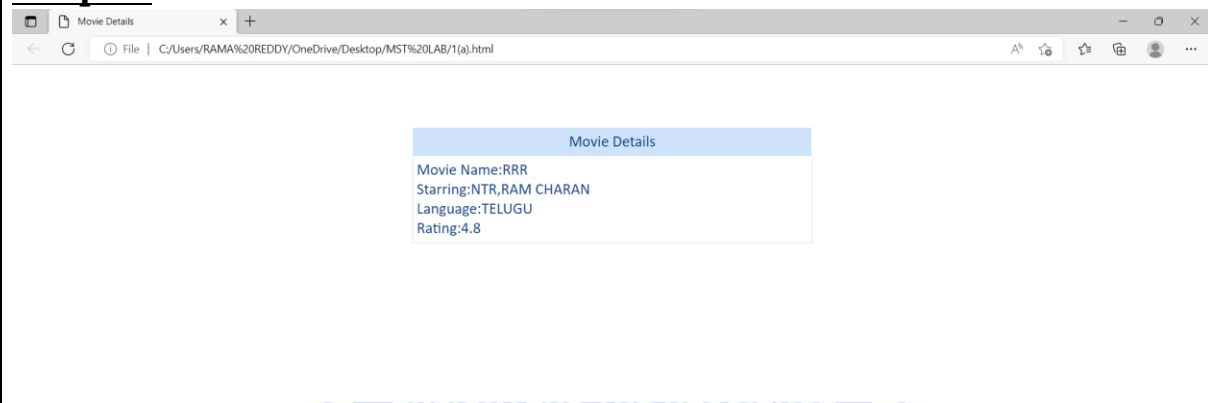
Exp No:

Date:

Page No:

```
<script>
let movie="RRR";
let starrng="NTR, RAM CHARAN";
let lang="TELUGU";
const rating=4.8;
document.write("Movie
Name:"+movie+"<br>"+ "Starring:"+starrng+"<br>"+ "Language:"+lang+"
<br>"+ "Rating:"+rating);
</script>
</div>
</center>
</body>
</html>
```

Output:



3c) Course Name: Javascript Module Name: Operators and Types of Operators Write JavaScript code to book movie tickets online and calculate the total price, considering the number of tickets and price per ticket as Rs. 150. Also, apply a festive season discount of 10% and calculate the discounted amount

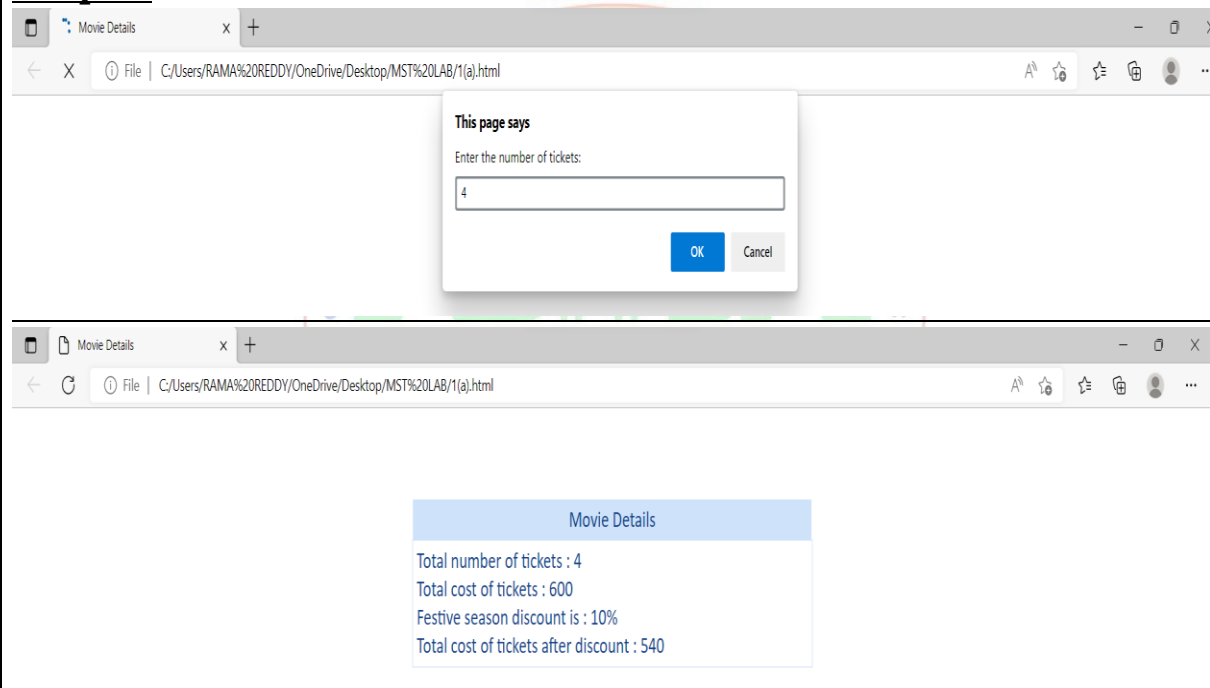
Program:

```
<html>
<head>
<title>Movie Details</title>
<style>
div#maincontent{
height:100px;
width:500px;
border:1px solid #CEE2FA;
text-align:left;
color:#08438E;
font-family:calibri;
font-size:20;
padding:5px;
}
div#heading{
text-decoration:bold;
text-align:center;
margin-top:80px;
width:500px;
border:1 px solid #CEE2FA;
text-align:center;
color:#08438E;
background-color:#CEE2FA;
font-family:calibri;
font-size:20;
padding:5px;
}
</style>
</head>
<body>
<center>
<div id="heading">Movie Details</div>
<div id="maincontent">
```



```
<script>
let number_tickets=prompt("Enter the number of tickets:");
var ticket_amt=number_tickets*150;
var dis=10/100*ticket_amt;
total_cost=ticket_amt-dis;
document.write("Total number of tickets : ",number_tickets+"<br>");
document.write("Total cost of tickets : ",ticket_amt+"<br>");
document.write("Festive season discount is : 10%"+ "<br>");
document.write("Total cost of tickets after discount : 
",total_cost+"<br>");
</script>
</div>
</center>
</body>
</html>
```

Output:



3d) Course Name: Javascript Module Name: Types of Statements, Non - Conditional Statements, Types of Conditional Statements, if Statements, switch Statements Write a JavaScript code to book movie tickets online and calculate the total price based on the 3 conditions:

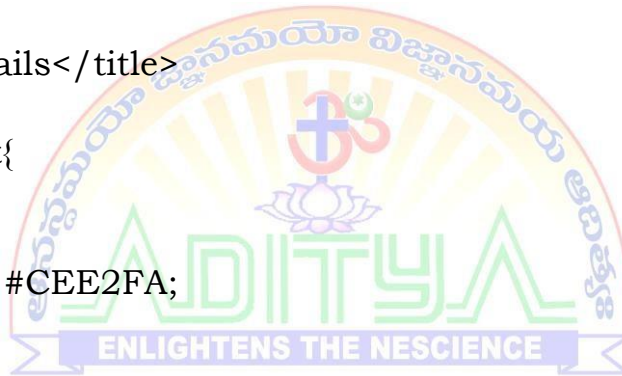
(a) If seats to be booked are not more than 2, the cost per ticket remains Rs. 150.

(b) If seats are 6 or more, booking is not allowed.

(c) If seats to be booked are more than 2 but less than 6, based on the number of seats booked, do the following - Calculate total cost by applying discounts of 3, 5, 7, 9, 11 percent, and so on for customer 1,2,3,4 and 5. Try the code with different values for the number of seats.

Program:

```
<html>
<head>
<title>Movie Details</title>
<style>
div#maincontent{
height:100px;
width:500px;
border:1px solid #CEE2FA;
text-align:left;
color:#08438E;
font-family:calibri;
font-size:20;
padding:5px;
}
div#heading{
text-decoration:bold;
text-align:center;
margin-top:80px;
width:500px;
border:1 px solid #CEE2FA;
text-align:center;
color:#08438E;
background-color:#CEE2FA;
font-family:calibri;
font-size:20;
padding:5px;
```

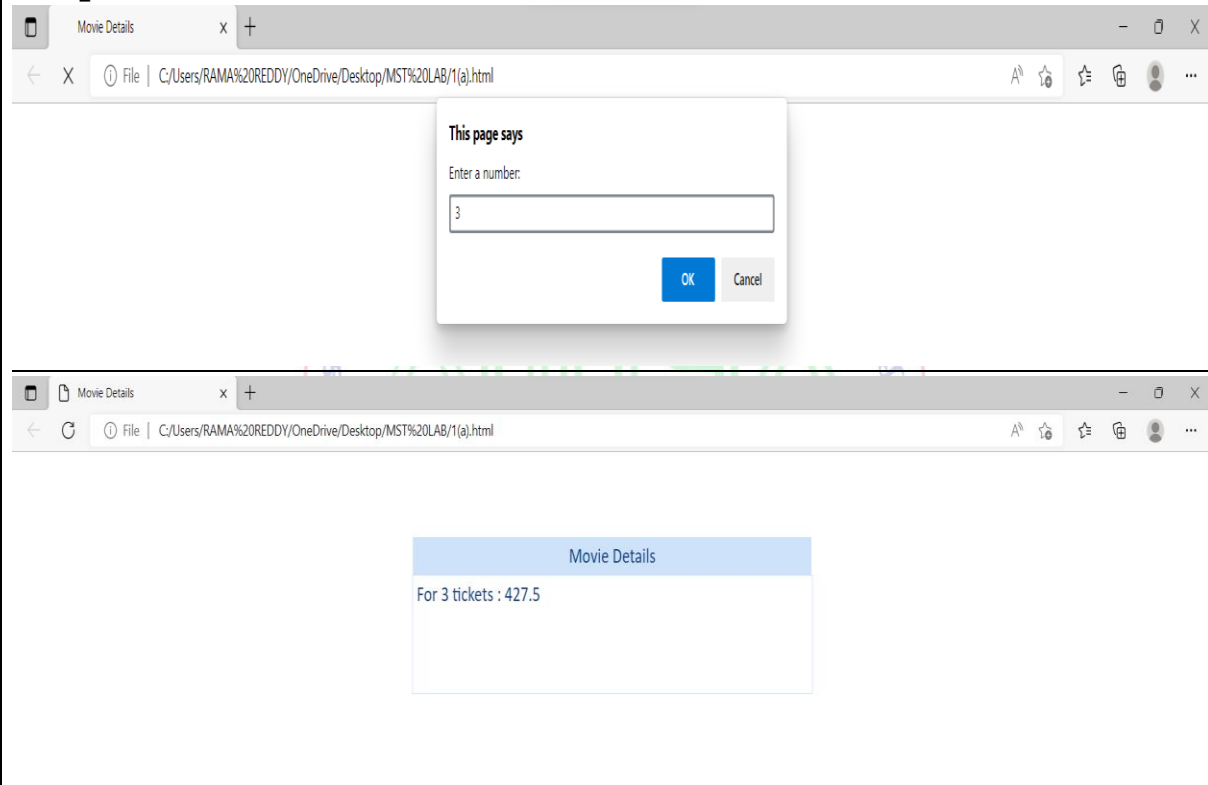




```
}
</style>
</head>
<body>
<center>
<div id="heading">Movie Details</div>
<div id="maincontent">
<script>
n=window.prompt("Enter a number:");
if(n<=2)
{
    total_cost=n*150;
    document.write("For n tickets,you need to pay :",total_cost);
}
else if(n>=6)
{
    document.write("Bookings are not Allowed");
}
else
{
    if(n==3)
    {
        t1=150-(150*(3/100));
        t2=150-(150*(5/100));
        t3=150-(150*(7/100));
        total_cost=t1+t2+t3;
        document.write("For 3 tickets : ",total_cost);
    }
    else if (n==4)
    {
        t1=150-(150*(3/100));
        t2=150-(150*(5/100));
        t3=150-(150*(7/100));
        t4=150-(150*(9/100));
        total_cost=t1+t2+t3+t4;
        document.write("For 4 tickets : ",total_cost);
    }
    else
    {
        t1=150-(150*(3/100));
```

```
t2=150-(150*(5/100));  
t3=150-(150*(7/100));  
t4=150-(150*(9/100));  
t5=150-(150*(11/100));  
total_cost=t1+t2+t3+t4+t5;  
document.write("For 5 tickets : ",total_cost);  
}  
}  
</script>  
</div>  
</center>  
</body>  
</html>
```

Output:



3e. Course Name: Javascript Module Name: Types of Loops Write a JavaScript code to book movie tickets online and calculate the total price based on the 3 conditions:

(a) If seats to be booked are not more than 2, the cost per ticket remains Rs. 150.

(b) If seats are 6 or more, booking is not allowed.

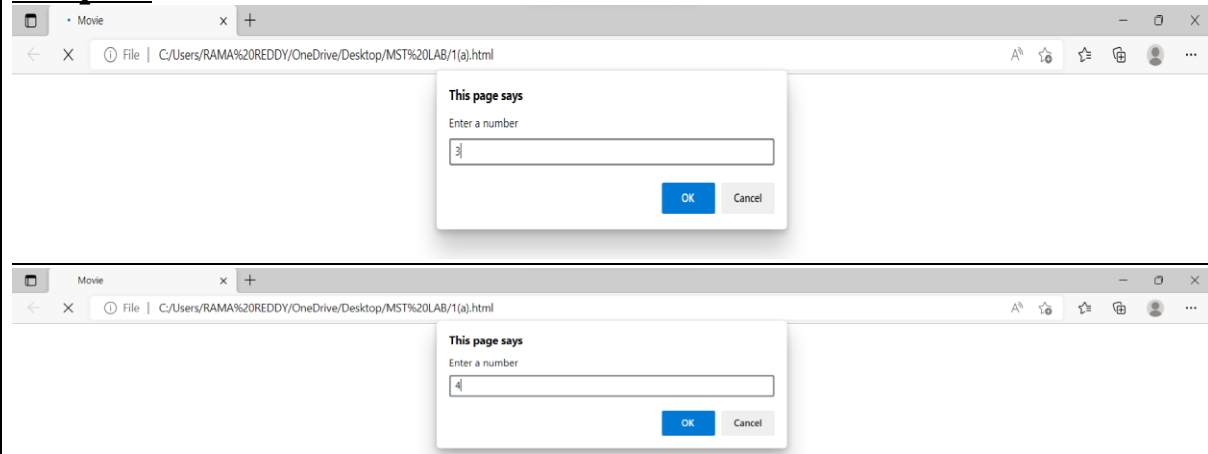
(c) If seats to be booked are more than 2 but less than 6, based on the number of seats booked, do the following - Calculate total cost by applying a discount of 3, 5, 7, 9, 11 percent, and so on for customers till 5 respectively. Try the code with different values for the number of seats. Implement the problem statement using 'for' loop, 'while' loop and 'do-while' loop.

Program:

```
<html>
<head>
<title>Movie</title>
</head>
<body>
<h1 align="center">Shop</h1>
<h2>Online Bookings</h2>
<script>
for(let j=0;j<5;j++)
{
    n=window.prompt("Enter a number");
    if(n<=2)
    {
        document.write("For "+n+" tickets you need to pay  

        "+(150*n)+"<br>");
    }
    else if(n>=6)
    {
        document.write("Bookings are not Allowed"+"<br>");
    }
    else
    {
        if (n==3)
        {
            t1=150-(150*(3/100));
            t2=150-(150*(5/100));
            t3=150-(150*(7/100));
            tcost=t1+t2+t3;
```

```
document.write("For 3 tickets,you need to pay :  
"+tcost+"<br>");  
}  
else if (n==4)  
{  
    t1=150-(150*(3/100));  
    t2=150-(150*(5/100));  
    t3=150-(150*(7/100));  
    t4=150-(150*(9/100));  
    tcost=t1+t2+t3+t4;  
    document.write("For 4 tickets,you need to pay :  
"+tcost+"<br>");  
}  
else  
{  
    t1=150-(150*(3/100));  
    t2=150-(150*(5/100));  
    t3=150-(150*(7/100));  
    t4=150-(150*(9/100));  
    t5=150-(150*(11/100));  
    tcost=t1+t2+t3+t4+t5;  
    document.write("For 5 tickets,you need to pay :  
"+tcost+"<br>");  
}  
}  
</script>  
</body>  
</html>
```

Output:



Exp No:
Date:

Page No:

Movie x +
File | C:/Users/RAMA%20REDDY/OneDrive/Desktop/MST%20LAB/1(a).html

This page says
Enter a number
5
OK Cancel

Movie x +
File | C:/Users/RAMA%20REDDY/OneDrive/Desktop/MST%20LAB/1(a).html

This page says
Enter a number
7
OK Cancel

Movie x +
File | C:/Users/RAMA%20REDDY/OneDrive/Desktop/MST%20LAB/1(a).html

This page says
Enter a number
1
OK Cancel

Shop

Online Bookings

For 3 tickets,you need to pay : 427.5
For 4 tickets,you need to pay : 564
For 5 tickets,you need to pay : 697.5
Bookings are not Allowed
For 1 tickets you need to pay 150