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Section 1: HTML/JavaScript

Program1

```
<HTML>
```

```
<HEAD>
```

```
<TITLE>
```

```
My first Page
```

```
</TITLE>
```

```
</HEAD>
```

```
<BODY>
```

```
WELCOME TO MY FIRST WEB PAGE
```

```
</BODY>
```

```
</HTML>
```

Program2

<HTML>

<HEAD>

<TITLE>

Use of Attributes with the Body Tag

</TITLE>

</HEAD>

<BODY BGCOLOR="Yellow" text="blue" TOPMARGIN = "75" LEFTMARGIN="75">

Your document text will be indented 75 pixels from the left hand and 75 pixels from the top of the page. The background color of document is yellow and text color is blue.

</BODY>

</HTML>

Program3

```
<HTML>
```

```
<HEAD>
```

```
<TITLE>
```

Use of Attributes with the Body Tag

```
</TITLE>
```

```
</HEAD>
```

```
<BODY BACKGROUND="dolphin.gif" text="red"
```

```
TOPMARGIN = "75"
```

```
LEFTMARGIN="75">
```

Your document text will be indented 75 pixels from the left hand and 75 pixels from the top of the page. The background image dolphin.gif will be tiled across the document. Your image and HTML document should present at the same place.

```
</BODY>
```

```
</HTML>
```

Program4

```
<HTML>
<HEAD>
<TITLE>NutriFruit.com</TITLE>
</HEAD>
<BODY>
<H3>NutriFruit.com</H3>
<HR>
<P align="justify">Fruits are nature's <B>marvelous</B> gift to the humankind; indeed,
they are <mark>life-enhancing</mark> medicines packed with vitamins, minerals,
antioxidants and many phytonutrients (Plant-derived micronutrients). They are an
absolute feast to our sight, not just because of their color and flavor but of their unique
nutrient profile that helps the human body be fit, rejuvenate, and free of diseases!
<H4>Limited fruits: (Long Lasting)</H4>
<UL TYPE="CIRCLE">
<LI>Apple</LI>
<LI>Pomegranate</LI>
<LI>Orange</LI>
</UL>
<H4>Vision</H4>
<HR>
<P><I>To elevate the health of citizens through the pursuit of lifelong healthy eating
habits.</I>
<H4>Mission</H4>
<HR>
<P>To encourage making half your plate fruits and vegetables for healthy eating.
<H4>Business Plan</H4>
<OL TYPE="1">
<LI>Fruit stores in major cities</LI>
<LI>Fruits will be directly purchased from farmers and distributed in local stores</LI>
<LI>E-commerce web site for selling</LI>
</OL>
```

<H4>Information on web site:</H4>

<OL TYPE="A">

Fruit details

Health benefits

Storage

Serving

<H4>Selling procedure</H4>

<OL TYPE="i">

Customers can give order

Cash on delivery option

Payment through cards

Delivery through Vans with refrigeration and within a day.

</BODY>

Program5

```
<TABLE border=1 align="center" bgcolor="yellow">
```

```
<TR>
```

```
<TH> Book </TH>
```

```
<TH> Author </TH>
```

```
<TH> Publisher </TH>
```

```
</TR>
```

```
<TR>
```

```
<TD> Foxpro 2.5 </TD>
```

```
<TD> R.K. Taxali </TD>
```

```
<TD> BPB Publications </TD>
```

```
</TR>
```

```
<TR>
```

```
<TD> Visual Basic .NET </TD>
```

```
<TD> Jeffrey R. Shapiro </TD>
```

```
<TD> Tata McGraw Hill </TD>
```

```
</TR>
```

```
<TR>
```

```
<TD> Core Java Vol 1 </TD>
```

```
<TD> Horstmann Cornell </TD>
```

```
<TD> Pearson </TD>
```

```
</TR>
```

```
</TABLE>
```


Program6

```
<TABLE border=1>
<TR>
<TH> Book </TH>
<TH> Author </TH>
<TH> Publisher </TH>
</TR>
<TR align="right" bgcolor="blue" valign="middle">
<TD> Foxpro 2.5 </TD>
<TD> R.K. Taxali </TD>
<TD> BPB Publications </TD>
</TR>
<TR>
<TD> Visual Basic .NET </TD>
<TD> Jeffrey R. Shapiro </TD>
<TD> Tata McGraw Hill </TD>
</TR>
<TR>
<TD> Core Java Vol 1 </TD>
<TD> Horstmann Cornell </TD>
<TD> Pearson </TD>
</TR>
</TABLE>
```

Program7

```
<TABLE border=1>
<TR>
<TH> Book </TH>
<TH> Author </TH>
<TH> Publisher </TH>
</TR>
<TR>
<TD> Foxpro 2.5 </TD>
<TD> R.K. Taxali </TD>
<TD> BPB Publications </TD>
</TR>
<TR>
<TD align="right" bgcolor="blue"> Visual Basic .NET </TD>
<TD> Jeffrey R. Shapiro </TD>
<TD> Tata McGraw Hill </TD>
</TR>
<TR>
<TD height=100 width=200 valign="top"> Core Java Vol 1 </TD>
<TD> Horstmann Cornell </TD>
<TD> Pearson </TD>
</TR>
</TABLE>
```

Program8

```
<TABLE border=1>
<TR>
<TH> Book </TH>
<TH> Author </TH>
<TH> Publisher </TH>
</TR>
<TR>
<TD rowspan=2>Visual Basic .NET </TD>
<TD> R.K. Taxali </TD>
<TD> BPB Publications </TD>
</TR>
<TR>
<TD> Jeffrey R. Shapiro </TD>
<TD> Tata McGraw Hill </TD>
</TR>
<TR>
<TD> Core Java Vol 1 </TD>
<TD colspan=2 align="center"> Pearson Press </TD>
</TR>
</TABLE>
```

Program9

```
<TABLE border=1>
<TR>
<TH> Book </TH>
<TH> Author </TH>
<TH> Publisher </TH>
</TR>
<TR>
<TD> Visual Basic .NET </TD>
<TD> R.K. Taxali </TD>
<TD> BPB Publications </TD>
</TR>
<TR>
<TD> Visual Basic .NET </TD>
<TD> Jeffrey R. Shapiro </TD>
<TD> Tata McGraw Hill </TD>
</TR>
<TR>
<TD> Core Java Vol 1 </TD>
<TD> Pearson Press </TD>
<TD> Pearson Press </TD>
</TR>
</TABLE>
```

Program10

<html>

<body>

 Apples are obtained from medium-sized tree belonging to the Rosaceae family. The apple tree is thought to have originated in nutrient-rich mountain ranges of Kazakhstan. Today, its cultivation fostered in many parts of the world including the USA as a major commercial crop. Apple fruit features oval or pear shape. Its outer peel appears in different hues and colors depending upon the cultivar type. Internally, it's crispy, juicy pulp is off-white to cream in color, and has a mix of mildly sweet and tart flavor. Its seeds are bitter in taste, and therefore, inedible. Hundreds of varieties of apples that meant to be used either as table fruits or dessert and cooking varieties are grown in the US and worldwide. Cooking apples tend to be larger in size, crispier, and tarter than dessert types.

Pomegranate fruit is one of the most popular, nutritionally rich fruit with unique flavor, taste, and health promoting characteristics. Together with sub-arctic pigmented berries and some tropical exotics such as mango, it too has unique qualities of functional foods, often called as "super fruits." Botanically, it is a small size fruit-bearing deciduous tree belonging to the Lythraceae family, of genus: Punica. The tree is thought to have originated in the Persia and Sub-Himalayan foothills of Northern India. Scientific name: Punica granatum.

</body>

</html>

Program11

```
<html>
```

```
<body>
```

```
 Orange is a tropical to semitropical, evergreen, small flowering tree, growing to about 5 to 8 m tall, and bears seasonal fruits that measure about 3 inches in diameter and weigh about 100-150 g. Oranges classified into two general categories, sweet and bitter, with the former being the type most commonly consumed type. Traditional sweet varieties include Valencia, Navel, Persian variety, and blood orange belonging to the Lythraceae family, of genus: Punica. The tree is thought to have originated in the Persia and Sub-Himalayan foothills of Northern India. Scientific name: Punica granatum.
```

```
</body>
```

```
</html>
```

Program12

```
<html>
<body>
<Table>
<tr>
<td></td>
<td>Apples are obtained from medium-sized tree belonging to the Rosaceae family. The apple tree is thought to have originated in nutrient-rich mountain ranges of Kazakhstan. Today, its cultivation fostered in many parts of the world including the USA as a major commercial crop. Apple fruit features oval or pear shape. Its outer peel appears in different hues and colors depending upon the cultivar type. Internally, it's crispy, juicy pulp is off-white to cream in color, and has a mix of mildly sweet and tart flavor. Its seeds are bitter in taste, and therefore, inedible.
Hundreds of varieties of apples that meant to be used either as table fruits or dessert and cooking varieties are grown in the US and worldwide. Cooking apples tend to be larger in size, crispier, and tarter than dessert types.</td>
</tr>
<tr>
<td></td>
<td>Pomegranate fruit is one of the most popular, nutritionally rich fruit with unique flavor, taste, and health promoting characteristics. Together with sub-arctic pigmented berries and some tropical exotics such as mango, it too has unique qualities of functional foods, often called as "super fruits."
Botanically, it is a small size fruit-bearing deciduous tree belonging to the Lythraceae family, of genus: Punica. The tree is thought to have originated in the Persia and Sub-Himalayan foothills of Northern India. Scientific name: Punica granatum.</td>
</tr>
</table>
</body>
</html>
```

Program13

```
<HTML>
<BODY>
<FONT FACE="Times New Roman" SIZE="5" COLOR="Brown">
NutriFruit.com
</FONT>
<FONT FACE="Arial" SIZE="4" COLOR="Blue">
<P align="justify">Fruits are nature's marvelous gift to the humankind; indeed, they are
life-enhancing medicines packed with vitamins, minerals, antioxidants and many
phytonutrients (Plant-derived micronutrients). They are an absolute feast to our sight, not
just because of their color and flavor but of their unique nutrient profile that helps the
human body be fit, rejuvenate, and free of diseases!
</FONT>
<FONT FACE="Verdana" SIZE="3" COLOR="Green">
<UL TYPE="CIRCLE">
<LI>Apple</LI>
<LI>Pomegranate</LI>
<LI>Orange</LI>
</UL>
</FONT>
<FONT FACE="Courier New" SIZE="2" COLOR="Red">
<OL TYPE="A">
<LI>Fruit details</LI>
<LI>Health benefits</LI>
<LI>Storage</LI>
<LI>Serving</LI>
</OL>
</FONT>
</BODY>
```


Program14

H1.html

```
<html>
<head>
<title>Hyperlink Example</title>
</head>
<body>
<p>Click following link</p>
<a href="links/h2.html" >Second Page</a>
</body>
</html>
```

H2.html

```
<html>
<head>
<title>Hyperlink Example</title>
</head>
<body>
<p>Click following link</p>
<a href="h3.html">Third Page</a>
</body>
</html>
```

H3.html

```
<html>
<head>
<title>Hyperlink Example</title>
</head>
<body>
<p>Click following link</p>
<a href="../forms/f1.html">forms</a>
</body>
```

</html>

F1.html

<html>

<head>

<title>Form Controls</title>

</head>

<body>

<form method="get">

User Name: <input type="text" name="cname">

Password: <input type="password" name="password">

Course Interested:

<input type="checkbox" name="course1" value="mba"> MBA

<input type="checkbox" name="course2" value="mca"> MCA

Graduation:

<input type="radio" name="degree" value="bcom"> B.Com

<input type="radio" name="degree" value="bba"> BBA

<input type="radio" name="degree" value="bsc"> B.Sc

<input type="radio" name="degree" value="bcs"> BCA

University:

<select name="Univ">

<option value="MU">Mumbai University</option>

<option value="SPPU">Pune University</option>

<option value="SUK" selected>Shivaji University</option>

</select>

<input type="hidden" name="uid" value="lnm">

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

```
<input type="reset" value="Reset">
</form >
<a href="..\h1.html">Back</a>
</body>
</html>
```

Hi.html

```
<html>
<body>
<a href="h1.html"></a>
</body>
</html>
```

Program 15

```
<html>
<head>
<script type="text/javascript">
    document.write("Welcome to JavaScript");
</script>
</head>
<body>
Welcome to HTML
</body>
</html>
```

Program 16

```
<html>
<head>
<script type="text/javascript">
var a=10;
var b=20;
var c;
c=a+b;
document.write("Result is:"+c);
</script>
</head>
<body>
</body>
</html>
```

Program 17

```
<html>
<head>
<script type="text/javascript">
var a=10;
var b=20;
if(a>b)
    document.write("a is greater");
else
    document.write("a is greater");
</script>
</head>
<body>
</body>
</html>
```

Program 18

```
<html>
<head>
<script type="text/javascript">
var sum = 0;
for (var i = 0; i < 10; i++)
{
    sum = sum + i;
}
document.write("sum is:"+sum);
</script>
</head>
<body>
</body>
</html>
```

Program 19

```
<html>
<head>
<script type="text/javascript">
var ducks = ["Huey", "Dewey", "Louie"];
for (var i = 0; i < ducks.length; i++)
{
    document.write(ducks[i]);
}

var numbers=[];
var sum=0;
numbers[0]=10;
numbers[1]=20;
numbers[2]=30;
for (var i = 0; i < numbers.length; i++)
{
    sum=sum+numbers[i];
}
document.write(sum);
</script>
</head>
<body>
</body>
</html>
```


Program 20

```
<html>
<head>
<script type="text/javascript">
function myFunction()
{
    alert("Hello!");
}
</script>
</head>
<body>
<button onclick="myFunction();">Click me!</button>
</body>
</html>
```

Program 21

```
<html>
<head>
<script>
function add()
{
  var a,b,c;
  a=Number(document.getElementById("first").value);
  b=Number(document.getElementById("second").value);
  c= a + b;
  document.getElementById("answer").value= c; }
</script>
</head>
<body>
Enter the First number : <input id="first" type="text">
Enter the Second number: <input id="second" type="text">
<button onclick="add()">Add</button>
<input id="answer" type="text">
</body>
</html>
```

Program 22

```
<html>
<head>
<script>
var book = new Object();
book={Title:"The Discovery of India",Author:"J.M. Nehru",Publisher:"Penguin
Books",Price:399};
document.write(book["Title"]+"<br>");
document.write(book["Author"]+"<br>");
document.write(book["Publisher"]+"<br>");
document.write(book["Price"]);
</script>
</head>
<body>
<script>
document.title="Book Information";
</script>
</body>
</html>
```

Program 23

```
<html>
<head>
<script>
function change()
{
  var img=document.getElementById("img1");
  img.src="Orange.jpg";
}
</script>
</head>
<body>

<button onclick="change()">Change</button>
</body>
</html>
```

Program 24

```
<html>
<head>
<title>Form Controls</title>
<script type="text/javascript">
function validate()
{
  if(document.myForm.cname.value=="")
  {
    alert("Please provide your name");
    return false;
  }
  if(document.myForm.cemail.value=="")
  {
    alert("Please provide your email");
    return false;
  }
  if(document.myForm.cpin.value.length!=6)
  {
    alert("Please provide correct pincode");
    return false;
  }
  return true;
}
</script>
</head>
<body>
<form name="myForm" method="get" onsubmit="return (validate());">
User Name: <input type="text" name="cname">
<br>
email: <input type="text" name="cemail">
<br>
```

Pincode: <input type="text" name="cpin">

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

</form >

</body>

</html>

Section 2: PHP

Program 1:

```
<?php  
echo "Hello World!";  
?>
```

Program 2:

```
<?php
$string_var = "My PHP program";
$integer_var = 500;
$float_var = 2.25;

echo $string_var;
echo $integer_var;
echo $float_var;
?>
```


Program 3:

```
<?php
$fname = "John";
$lname = "Doe";
echo "The user's name is " . $fname . " " . $lname."<br>";
echo "The user's name is $fname $lname";
?>
```

Program 4:

```
<?php
$my_array = array('red', 'green', 'blue');
echo "The first value of the array is " . $my_array[0];
echo "The second value of the array is " . $my_array[1];
echo "The third value of the array is " . $my_array[2];
?>
```

Program 5:

```
<?php
$members = array('FName' => "John", 'LName' => "Smith", 'Age' => 50);
echo "The user's first name is: " . $members['FName'];
echo "The user's last name is " . $members['LName'];
echo "The user's age is " . $members['Age'];
?>
```

Program 6:

```
<?php
//Two arrays are created
$numbers = array(50,20,18,30,10,7);
$colors = array('red', 'blue', 'green');

// determines the size of the array $numbers
$array_size = sizeof($numbers);

// sorts the elements of the $numbers array - returns array(7,10,18,20,30,50)
sort($numbers);

// randomizes the elements of the $numbers array
shuffle($numbers);

// $merged_array returns array(7,10,18,20,30,50,'red','blue','green')
$merged_array = array_merge($numbers,$colors);

// slice the numbers 18 and 20 from the sorted $numbers array
$slice = array_slice($numbers, 2, 2);
?>
```

Program 7:

```
<?php
$string = "Hello World";
$another_string = "Welcome to PHP";

echo strlen($string)."<br>";
echo strtoupper($another_string)."<br>";
echo strrev($another_string)."<br>";
echo strpbrk($string, "r")."<br>";
?>
```

Program 8:

```
<?php
$number1 = 5;
if ($number1 <= 10)
{
    echo "The number is less than or equal to 10.";
}
$number2 = 15;
if ($number2 <= 10)
{
    echo "Number is less than or equal to 10.";
}
else
{
    echo "Number is greater than 10";
}

$number3 = 15;
if ($number3 < 10)
{
    echo "Number is less than 10.";
}

elseif ($number3 == 10)
{
    echo "Number is equal to 10.";
}
else
{
    echo "Number is greater than 10.";
}

$number = 25;
switch ($number)
{
```

```
case 40:
    echo "The value of \$number is 40";
    break;
case 25:
    echo "The value of \$number is 25";
    break;
default:
    echo "The value of \$number is not 25 or 40";
}
?>
```

Program 9:

```
<?php
for ($counter=1; $counter < 5; $counter++)
{
    echo "Welcome to PHP";
}

$number = 5;
while ($number >= 2)
{
    echo $number . "<br/>";
    $number -= 1;
}

do
{
    echo $number . "<br/>";
    $number += 1;
}while ($number <= 5);
?>
```


Program 10:

```
<?php
$colors="";
$my_array = array('red','green','blue');
echo "The different colors include: ";
foreach($my_array as $value)
{
    $colors .= $value . " ";
}
echo $colors;
?>
```

Program 11:

```
<?php
function AddNumbers($num1,$num2)
{
    return $num1 + $num2;
}
echo "The sum of 5 and 2 is " . AddNumbers(5,2);
?>
```