1.Name the two traditional ways of assigning event handlers in DOM.

The 2 traditional ways of assigning event handlers in DOM are: via HTML, or scripting. In both cases, a function or code is attached at the end, which is executed when the handler detects the specified event.

2.How HTML DOM allows javascript to change the text color and background color of a particular element?

The color property sets or returns the color of the text.

Syntax:

Return the color property:

object.style.color

The backgroundColor property sets or returns the background color of an element.

Syntax:

Return the backgroundColor property:

object.style.backgroundColor

3.What is DTD?

DTD stands for Document Type Definition. It defines the legal building blocks of an XML document. It is used to define document structure with a list of legal elements and attributes.

4.How to use XML schema?

You don't have to learn a new language

You can use your XML editor to edit your Schema files

You can use your XML parser to parse your Schema files

You can manipulate your Schema with the XML DOM

You can transform your Schema with XSLT

5.Write a PHP program to print factorial of a number.

```php
<?php
$num = 4;
$factorial = 1;
```

```php
for ($x=$num; $x>=1; $x--)

{

  $factorial = $factorial * $x;

}

echo "Factorial of $num is $factorial";

?>
```

6.Write a PHP program to convert an array to string with different parameters.

To convert an array to string with different parameters.

```php
<?php
$arra = array (? This " , " Is " , " An " , " ARRAY" , " ! " );

echo " <h4> "." Default array " . " </h2> ";
print_r ($arra);

echo " <h4> " . " Array to string " . " </h2> ";
echo implode(" ",$arra)."<br>"; // default separator
echo implode("_",$arra)."<br>";
echo implode("-",$arra)."<br>";
echo implode("/",$arra);

echo " <h4> " . " Data type: - " . " </h2> ";
echo gettype ($arra);
?>
```
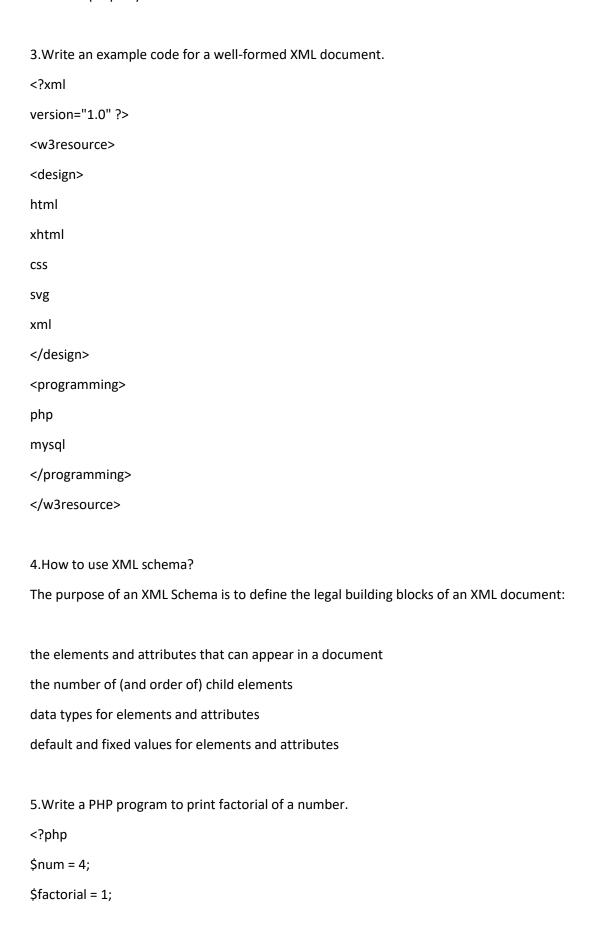
7.What is AJAX?

AJAX stands for Asynchronous JavaScript and XML. AJAX is a new technique for creating better, faster, and more interactive web applications with the help of XML, HTML, CSS, and Java Script.

8.What are the elements of WSDL?

A WSDL file describes a web service with the following elements:

portType. The description of the operations and associated messages

message. The description of input and output parameters and return values

types

binding

Service

Ports

Multipart WSDL and WSDL publication

9.Write the SOAP structure

10.Write an example of a web services registry and its

function.

A web service registry is like a "phone book" for web services. It enables client applications to look up and find web services. Application Server supports two widely-used registry standards: ebXML (Electronic Business using XML) and Universal Description, Discovery, and Integration (UDDI).

1.What do you mean by bubbling listener?

It is a process that starts with the element that triggered the event and then bubbles up to the containing elements in the hierarchy. In event bubbling, the event is first captured and handled by the innermost element and then propagated to outer elements. Syntax: addEventListener(type, listener, useCapture)

2.How HTML DOM allows java script to change the text color and background color of a particular element?

Set the text-color for different elements:

document.getElementById("myH2").style.color = "#ff0000";

document.getElementById("myP").style.color = "magenta";

document.getElementById("myP2").style.color = "blue";

document.getElementById("myDiv").style.color = "lightblue";

The color property sets or returns the color of the text.

3.Write an example code for a well-formed XML document.

```
<?xml
version="1.0" ?>
<w3resource>
<design>
html
xhtml
css
svg
xml
</design>
<programming>
php
mysql
</programming>
</w3resource>
```

4.How to use XML schema?

The purpose of an XML Schema is to define the legal building blocks of an XML document:

the elements and attributes that can appear in a document

the number of (and order of) child elements

data types for elements and attributes

default and fixed values for elements and attributes

5.Write a PHP program to print factorial of a number.

```
<?php
$num = 4;
$factorial = 1;
```

```
for ($x=$num; $x>=1; $x--)

{

  $factorial = $factorial * $x;

}

echo "Factorial of $num is $factorial";

?>
```

6.What do you mean by for-each loop in PHP.?

PHP foreach loop is utilized for looping through the values of an array. It loops over the array, and each value for the fresh array element is assigned to value, and the array pointer is progressed by one to go the following element in the array.

7.Write the characteristics of web service.

Characteristics of Web Services

Interoperability. ...

Institutionalized Protocol. ...

Minimal effort of Communication. ...

XML-Based. ...

Inexactly Coupled. ...

Coarse-Grained. ...

Capacity to be Synchronous or Asynchronous. ...

Backings Remote Procedure Calls (RPCs)

8.What are the elements of WSDL?

A WSDL file describes a web service with the following elements:

portType. The description of the operations and associated messages. ...

message. The description of input and output parameters and return values. ...

types. ...

binding. ...

Service. ...

Ports. ...

Multipart WSDL and WSDL publication.

9.Write the SOAP structure

10.What are the steps involved in AJAX opearion?

1. An event occurs in a web page (the page is loaded, a button is clicked)

2. An XMLHttpRequest object is created by JavaScript

3. The XMLHttpRequest object sends a request to a web server

4. The server processes the request

5. The server sends a response back to the web page

6. The response is read by JavaScript

7. Proper action (like page update) is performed by JavaScript