XML

18) Create CD Catalogue Table in XML and display it using XSL Style Sheet.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<catalog>
 <cd>
   <title>Album 1</title>
   <artist>Artist 1</artist>
   <country>Country 1</country>
   <price>10.99</price>
 </cd>
 <cd>
   <title>Album 2</title>
   <artist>Artist 2</artist>
   <country>Country 2</country>
   <price>12.99</price>
 </cd>
 <cd>
   <title>Album 3</title>
   <artist>Artist 3</artist>
   <country>Country 3</country>
   <price>9.99</price>
 </cd>
</catalog>
```

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

 <xsl:template match="/">
  <html>
   <body>
     <h2>CD Catalogue</h2>
     <table border="1">
      <tr bgcolor="#9acd32">
       <th>Title</th>
       <th>Artist</th>
       <th>Country</th>
```

```
      <th>Price</th>
     </tr>
     <xsl:for-each select="catalog/cd">
      <tr>
       <td><xsl:value-of select="title" /></td>
       <td><xsl:value-of select="artist" /></td>
       <td><xsl:value-of select="country" /></td>
       <td><xsl:value-of select="price" /></td>
      </tr>
     </xsl:for-each>
    </table>
   </body>
  </html>
 </xsl:template>

</xsl:stylesheet>
```

```
<!DOCTYPE html>
<html>
 <head>
  <title>CD Catalogue</title>
  <script>
   function loadXMLDoc(filename) {
     if (window.ActiveXObject) {
      xhttp = new ActiveXObject("Msxml2.XMLHTTP");
     } else {
      xhttp = new XMLHttpRequest();
     }
     xhttp.open("GET", filename, false);
     try {
      xhttp.responseType = "msxml-document";
     } catch (err) {}
     xhttp.send("");
     return xhttp.responseXML;
    }

    function displayResult() {
     xml = loadXMLDoc("cd_catalogue.xml");
     xsl = loadXMLDoc("cd_catalogue.xsl");
```

```
        if (window.ActiveXObject || xhttp.responseType == "msxml-document")
{

        ex = xml.transformNode(xsl);
        document.getElementById("cdCatalogue").innerHTML = ex;
      } else if (
        document.implementation &&
        document.implementation.createDocument
      ) {
        xsltProcessor = new XSLTProcessor();
        xsltProcessor.importStylesheet(xsl);
        resultDocument = xsltProcessor.transformToFragment(xml, document);

document.getElementById("cdCatalogue").appendChild(resultDocument);
      }
    }
  </script>
 </head>
```

19) Write a PHP script for Looping Structures CODE.

```
<!DOCTYPE html>
<html>
<body>
<?php
$x = 1;
while($x <= 5)
{
echo "The number is: $x <br>";
$x++;
}
?>
</body>
</html>
```

20) Write a PHP script for Switch Case statements.

```
<!DOCTYPE html>
<html>
<body>
<?php
$favcolor = "red";
switch ($favcolor)
{
case "red":
echo "Your favorite color is red!";
break;
case "blue":
echo "Your favorite color is blue!";
break;
case "green":
echo "Your favorite color is green!";
break;
default:
echo "Your favorite color is neither red, blue, nor green!";}
?>
</body>
</html>
```

21) Write a PHP script for Class , objects and inheritance.

```
<!DOCTYPE html>
<html>
<body>
<?php
class Fruit
{
public $name;
public $color;
public function __construct($name, $color)
{
$this->name = $name;
$this->color = $color;
}
public function intro()
{
echo "The fruit is {$this->name} and the color is {$this->color}.";
}
}
class Strawberry extends Fruit
{
public function message()
{
echo "Am I a fruit or a berry? ";
}
}
$strawberry = new Strawberry("Strawberry", "red");
$strawberry->message();
$strawberry->intro();
?>
</body>
</html>
```

22) Write a PHP script for Constructor and Destructor.

```
<!DOCTYPE html>
<html>
<body>
<?php
class Fruit
{
public $name;
public $color;
function __construct($name)
{
$this->name = $name;
}
function get_name()
{
return $this->name;
}
}
$apple = new Fruit("Apple");
echo $apple->get_name();
?>
</body>
</html>
```