PRACTICAL - I

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Q. Design a DTD, Corresponding xml document and display it in browser using CSS.

css employee.css

```
employee
{
background-color : pink;
}
first name, last name, email
{
font-size : 25px ;
display : block ;
Color : blue ;
margin - left : 50px ;
}
```

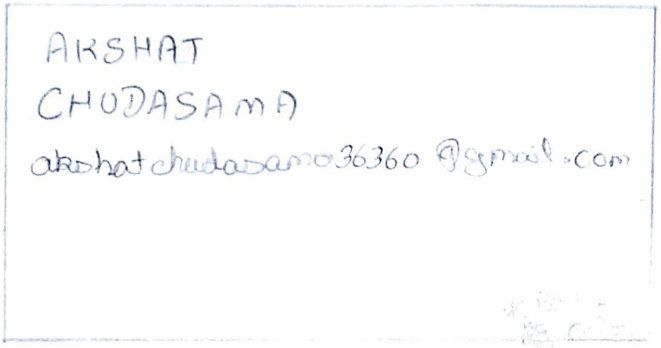
employee.dtd

```
<! ELEMENT employe (firstname, lastname, email)>
<! ELEMENT firstname (# PC DATA)>
<! ELEMENT lastname (# PCDATA)>
<! ELEMENT email (# PC DATA)>
```

employee.xml

```
<? xml version = "1.0" ?>
<? xml - Stylesheet type = " text/css " href = " css employee.css "?>
<! DOCTYPE employee SYSTEM " employee.dtd ">
< employee >
<firstname > Durabhi </firstname>
< lastname > Daluke </ lastname >
```

<email> akshatchudasama36360@gmail.com
</email>
</employee>



b. Design an xml document and display it in browser using xsl.

Cdcatalog.xsl

```
<xsl:stylesheet version="1.0" xmlns:xsl="https://www.w3.org/1999/xsl/Transform">
<xsl:Template match="/">
<html>
<body>
    <h2>My cd Collection</h2>
    <table border="1">
    <tr bg Color="#9aCd32">
    <th> Title </th>
    <th> Artist</th>
    </tr>
    <xsl:for-each select="Catalog/cd">
    <tr>
      <td><xsl:Value-of select="tittle"/></td>
      <td><xsl:Value-of select="artist"/></td>
    </tr>
    </xsl:for-each>
    </table>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

cdcatalog.xml

```
<? xml Version = "1.0" encoding = UTF-8 "?>
<? xml - stylesheet type = "text /xsl" href = "cdcatalog. xsl"?
<catalog>
  <cd>
    <title> Empire Burlesque </title>
    <artist> Bob Dylan </artist>
    <Company> Columbia </company>
    <Price> 10.90 </Price>
    <year> 1985 </year>
</cd>
   <cd>
    <title> Hide your heart </title>
    <artist> Bonnie Tyler </artist>
    <Country> UK </country>
    <Price> 9.58 </Price>
    <year> 1987 </year>
</cd>
</catalog>
```

OUT PUT (1b)

My CD. Collection

Title	Artist	Country	Price	Year
Empire Burlesque	Bob Dylan	USA	10.90	1985
Hide your heart	Bonnie Tyler	UK	9.88	1987

C. Design an xml schema and corresponding xml document

employee.xsd

```
<?xml version="1.0"?>
<xs:schema xmlns:xs="https://www.w3.org/2001/XMLSchema"
targetNamespace="https://www.w3school.com" xmlns=
"https://www.w3schools.com" elementFormDefault="qualified">
<xs:element name="employee">
<xs:complexType>
<xs:sequence>
<xs:element name="firstname" type="xs:string"/>
<xs:element name="lastname" type="xs:string"/>
<xs:element name="email" type="xs:string"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```

employee.xml.

```
<?xml version="1.0"?>
<employee xmlns="https://www.w3schools.com" xmlns:
xsi="https://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="employee.xsd">
<firstname>Akshat</firstname>
<lastname>Chudasama</lastname>
<email>akshatchudasama36360@gmail.com</email>
</employee>
```

PRACTICAL-2

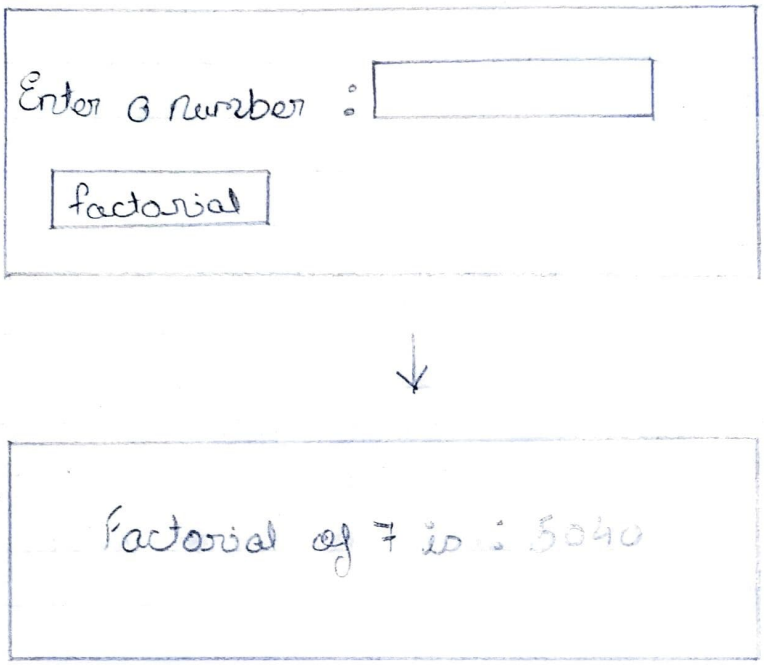
Q. Write a PHP Program to accept a number from the user and print it factorial.

factorial.html.

```
<html>
<head>
    <title> Factorial of a number </title>
</head>
<body>
    <form method = "Post" action = "fact.php" >
    Enter a number : <input type = "text" name = "n1" >
    <br> <input type = "Submit" value = "Factorial" >
    </form>
</body>
</html>
```

fact.php

```
<?php
    $n1 = (int) $_Post['n1'];
    $fact = 1;
    for ($i = 1 ; $i < $n1 ; $i++)
    {
        $fact = $fact * $i;
    }
    echo "factorial of ". $n1. " is : " . $fact;
?>
```


Enter a number :
factorial

Factorial of 7 is : 5040

6

b Write a PHP Program of accept a number from the user and print whether it is Prime or not.

Prime.html

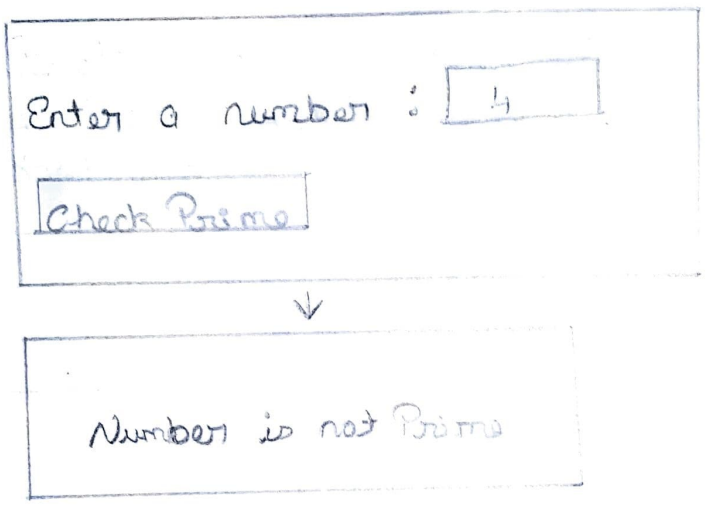
```
<html>
<head>
    <title> Prime Number </title>
</head>
<body>
    <from method = "Post" action = "checkPrime.php" >
    Enter a number = <input type = "text" name = " n1 " ></br>
    <input type = " submit " value = " check Prime " >
    </form>
</body>
</html>
```

checkPrime.PhP.

```
<?Php
    $n1 = (int) $_POST ['n1'];
    $flag = 0;
    for ($i = 2; $i <= $n1/2 ; $i++)
    {
      if ($n1 % $i == 0)
      {
        $ flag = 1;
        break;
      }
    }
```

```
if ($flag = 0)
        echo "Number is Prime";
else
        echo "Number is not Prime";
?>
```

OUT PUT



PRACTICAL 3

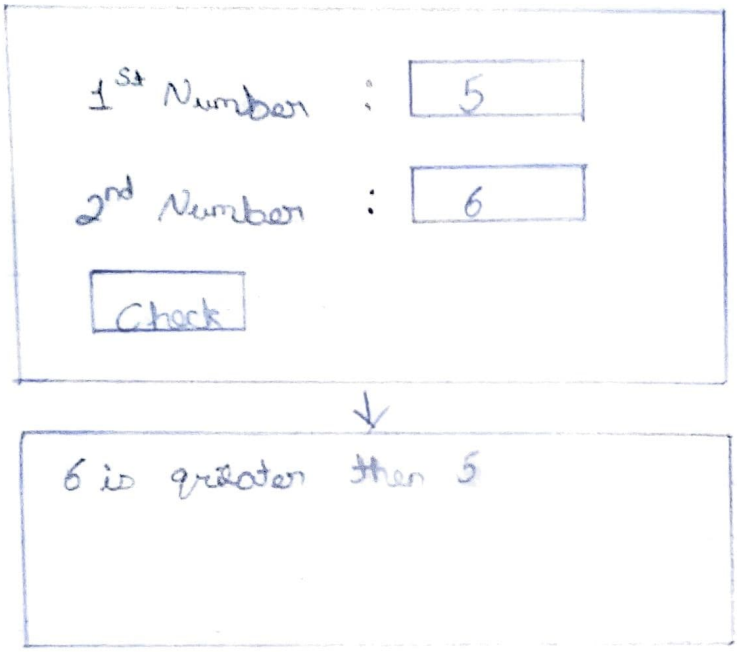
Q. Write PHP program to find the greater of 2 numbers. Accept the no. from the user.

greater.html

```
<html>
<head>
    <title> Greater of two nos </title>
</head>
<body>
    <from method = "Post" action = "try.Php">
    1st Number : <input type = "text" name = "n1"><br>
    2nd Number : <input type = "text" name = "n2"><br>
    <input type = "submit" value = "try">
    </from>
</body>
</html>
```

try.PHP

```
<? PHP
    $n1 = (int) $_Post['n1'];
    $n2 = (int) $_POST['n2'];
    if ($n1 > $n2)
        echo $n1. " is greater than ". $n2
    else if ($n2 > $n1)
        echo $n2 . " is greater than ". $n1
    else
        echo "Both are equal";
```


1st Number : 5
2nd Number : 6
Check
6 is greater than 5

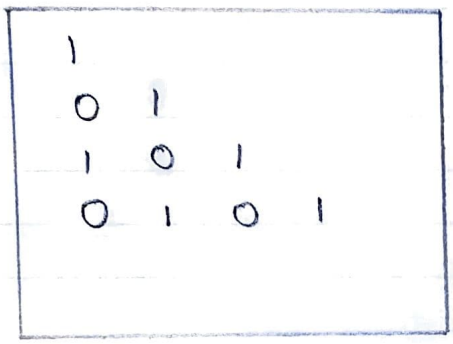
1. Write a PHP Code to display the following pattern :

```
1
0 1
1 0 1
0 1 0 1
```

Code :

```
<?PHP
    for ($i=0; $i<4; $i++)
    {
        for ($j=0; $j<$i; $j++)
        {
            if (($i+$j)%2==0)
                echo 1;
            else
                echo "0";
        }
        echo "<br>";
    }
?>
```

OUT PUT



PRACTICAL 4

a. Write a PHP Program to demonstrate different string functions.

Code:-

```
<?PHP
    echo strlen ("Hello");
    echo "<BR>";
    echo strchr ("Hello world","World");
    echo "<BR>";
    echo str_replace ("world","Peter","Hello world");
    echo "<BR>";
    echo str_word_count ("Hello world");
    echo "<BR>";
    echo strpos ("I love PHP, I LOVE php too!","Php");
    echo "<BR>";
    echo substr_count ("Hello world. The world is
    nice","world");
    echo "<BR>";
    echo substr ("Hello WORLD",6);
        echo "<BR>";
    echo strlower ("Hellow, WORLD");
      Echo "<BR>";
    echo strupper ("Hello WORLD");
      echo "<BR>";
    echo strcmp ("Hello world!","Hello world");
      echo "<BR>";
    echo strcasecmp ("Helloworld","Hello world!");
?>
```

5
World!
Hello Peter
2
7
World
hello world
HELLO WORLD
1
0

b. Write a php code to create one dimensional array

Code :

```
<? php
    $ Cars = array ("Valvo", "BMW", "Toyota");
    echo "I like". $ Cars [0]. ", ". $ Cars [1]. ", ". $
    Cars [2];
        echo count ($ Cars);
    $ arrlength = count ($ Cars);
    for ($ x = 0; $ x < $ arrlength; $ x ++)
    {
        echo $ Cars [$x];
        echo "<br>";
    }
    $ age = array ("Peter" => "35", "Ben" => "40", "Joe"
    => "30");
    $ age = array ("Peter" => "35", "Ben" => "40", "Joe" =>
    "30");
    echo "Peter is". $ age ['Peter']. "years old";
```

Out PUT

```
I like Volvo, BMW and Toyato
3
Volvo
BMW
Toyato
Peter is 35 years old
```