

## **Practical 1.1**

**Aim:** Introduction to web 3.0, website, web portal, domain name, networking concepts. Introduction to internet, hosting of website, server configurations and maintenance.

**WEB 3.0:** Web 3.0, also known as the third-generation internet, is the next evolution of the World Wide Web. It provides a data-driven Semantic Web employing a machine-based understanding of data with the objective of developing a more intelligent and connected web experience for users. The Web of today is static and unable to adjust to the individual needs of each person experiencing it. Web 3.0 promises to be more dynamic and interactive. By implementing artificial intelligence and block chain technology, it will redefine the web experience with structural changes to ensure democratization across all aspects of the internet.

**Website:** A website (also written as web site) is a collection of web pages and related content that is identified by a common domain name and published on at least one web server. Examples of notable websites are Google, Facebook, Amazon, and Wikipedia. All publicly accessible websites collectively constitute the World Wide Web. There are also private websites that can only be accessed on a private network, such as a company's internal website for its employees.

**Web portal:** A web portal is a specially designed website that often serves as the single point of access for information. It can also be considered a library of personalized and categorized content. A web portal helps in search navigation, personalization, notification and information integration, and often provides features like task management, collaboration, and business intelligence and application integration.

**Domain Name:** A domain name is a string of text that maps to a numeric IP address, used to access a website from client software. In plain English, a domain name is the text that a user types into a browser window to reach a particular website. For instance, the domain name for Google is 'google.com'.

**Networking:** Networking, also known as computer networking, is the practice of transporting and exchanging data between nodes over a shared medium in an information system. Networking comprises not only the design, construction and use of a network, but also the management, maintenance and operation of the network infrastructure, software and policies.

**Internet:** The Internet is a global network of billions of computers and other electronic devices. With the Internet, it's possible to access almost any information, communicate with anyone else in the world, and do much more. You can do all of this by connecting a computer to the Internet, which is also called going online. When someone says a computer is online, it's just another way of saying it's connected to the Internet.

**Web Hosting:** When a hosting provider allocates space on a web server for a website to store its files, they are hosting a website. Web hosting makes the files that comprise a website (code, images, etc.) available for viewing online. Every website you've ever visited is hosted on a server. The amount of space allocated on a server to a website depends on the type of hosting.

The main types of hosting are shared, dedicated, VPS and reseller. They are differentiated by the kind of technology used for the server, the level of management provided and the additional services on offer.

**Server Configurations:** Server network configuration tasks include enabling protocols, modifying the port or pipe used by a protocol, configuring encryption, configuring the SQL Server Browser service, exposing or hiding the SQL Server Database Engine on the network, and registering the Server Principal Name. Most of the time, you do not have to change the server network configuration. Only reconfigure the server network protocols if special network requirements. **Server Maintenance:** Server maintenance refers to the process of keeping server software updated and running efficiently to avoid data loss and downtime. With regular server maintenance, networks can operate smoothly and businesses can prevent a partial or total network failure. With proper maintenance, servers can last many years with little to no disruptions to business operations. However, failure to maintain servers can lead to unexpected problems that cause downtime and affect the business's bottom line. It is common for servers to experience a build up of records and repositories over time, including a large number of cache files that can gradually slow down transaction rates.

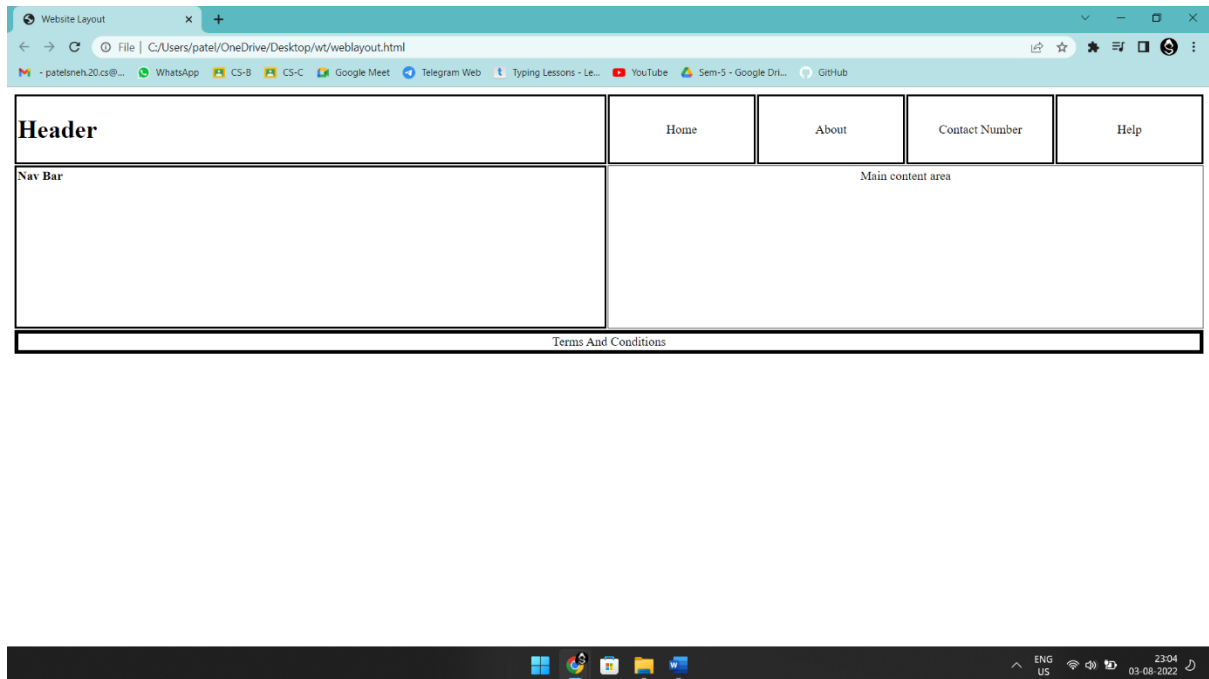
## Practical 1.2

**Aim:** Create a website layout using table structure which consist of space/locations for Logo, Search, News, Events, Content area, etc.

**Source code:**

```
<!DOCTYPE html>

<html>
<head>
<title>Website Layout</title>
</head>
<body>
<table width = "100%" border = "0">
<tr>
<td style="border:3px solid black; text-align: left; width: 50% ;">
<h1>Header</h1>
</td>
<td style="border:3px solid black; text-align: center; width:
12.5%;">Home</td>
<td style="border:3px solid black; text-align: center; width:
12.5%;">About</td>
<td style="border:3px solid black; text-align: center; width: 12.5%;">Contact
Number</td>
<td style="border:3px solid black; text-align: center; width:
12.5%;">Help</td>
</tr>
<tr valign = "top">
<td style="border:3px solid black; width: 25%;">
<b>Nav Bar</b>
</td>
<td colspan="4" width = "100" height = "200" style="border: 3px double
black;">
<center>
Main content area</center>
</td>
</tr>
<tr>
<td colspan="5" style="color: black; border: 5px solid black ;">
<center>
Terms And Conditions
</center>
</td>
</tr>
</table>
</body>
```



## Practical 1.3

**Aim:** Create a resume using table ,division and other html tags.

**Source code:**

```

resume - Notepad
File Edit View

<!DOCTYPE html>
<html>
<body>
<div style="text-align:center">Resume</div>
<div align="left"> Mr. Sneh Patel </div>
<div align="left"> Mob. 7043939077 </div>
<a href = "mailto: patelsneh.20.cs@iite.indusuni.ac.in">Email: patelsneh.20.cs@iite.indusuni.ac.in</a>
<br>
<p>
<div style="background-color: #808080">Objective</div>
</div>
<p>
Challenging career in IT industry, in an organization which offers abundant opportunity to innovative , grow and develop.
</p>
</div>
<div>
<table>
<tr>
<td>
<table style="width: 100%; border: 1px solid black;">
<tr>
<th style="width: 33%; text-align: left;">Standard</th>
<th style="width: 33%; text-align: left;">Percentage</th>
<th style="width: 33%; text-align: left;">Year</th>
</tr>
<tr>
<td>10 std</td>
<td>78.5%</td>
<td>2018</td>
</tr>
<tr>
<td>12 std</td>
<td>63.5%</td>
<td>2020</td>
</tr>
</table>
</td>
</tr>
</table>
</div>
<div>
<div style="background-color: #808080">Technical skills</div>
</div>
<p>
<div>
<div>Programming Languages</div>
<div>C++, Java, Python</div>
<div>Database</div>
<div>My SQL, Oracle</div>
</div>
<div style="background-color: #808080">Academic Projects</div>
</div>
<div>
<div>
<div>DBMS</div>
<div>WT</div>
<div>OS</div>
<div>Java</div>
</div>
</div>
</body>
</html>

```

### Resume!

Mr. Sneh Patel  
Mob. 7043939077  
[Email: patelsneh.20.cs@iite.indusuni.ac.in](mailto:patelsneh.20.cs@iite.indusuni.ac.in)

**Objective:** Challenging career in IT industry, in an organization which offers abundant opportunity to innovative , grow and develop.

Standard	Percentage	Year
10 std	78.5%	2018
12 std	63.5%	2020

#### Technical skills

**Programming languages:** c++, java, python

**Database:** My SQL, Oracle

#### Academic Projects:

1. DBMS
2. WT
3. OS
4. java

## **Practical 1.4**

**Aim:** Create a registration form using html tags

**Source code:**

### **LOGIN FORM**

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Login form</title>

</head>

<body>
IU2041230130 SNEH PATEL

    <table align="center">

    <tr>

    <th colspan="1" align="left">Login form</th>

    </tr>

    <tr>

    <td>User Id:</td>

    <td><input type="text" name="uid" placeholder="Enter
userid"/> </tr>

    <tr>

    <td>Password:</td>

    <td><input type="password" name="pwd" placeholder="Enter
password"/> </tr>

    <tr>

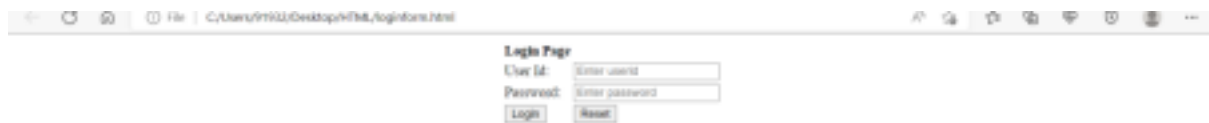
    <td><input type="Submit" name="Submit" value="Login"
/></td> <td><input type="Reset" name="reset"
value="Reset" /></td>

    </tr>

    </table>
```

```
</body>
```

```
</html>
```



## REGISTARTION FORM

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
<meta name="viewport" content="width=device-width, initial-  
scale=1.0"> <title>Document</title>
```

```
</head>
```

```
<body><form action="welcome.php" method="post">
```

```
<h1>Registration form</h1>
```

```
<p>Please fill in your details properly</p>
```

```
<div class="name"> Username</div>
```

```
<input type = "text" id = "name" placeholder = "Enter your  
username"> <br><div class = "password">Password</div>
```

```
<input type = "password" id = "password" placeholder = "Enter your  
password"> <div class="Email"> Email</div>
```

```
<input type = "email" id = "email" placeholder = "Enter your  
Email"> <div class="Address"> Address</div>
```

```
<input type = "text" id = "name" placeholder = "Enter your addresss"  
maxlength="50"> <div class="name"> Gender</div>
```

```
<input type = "radio" name = "Gender" value = "male"  
checked>male <input type = "radio" name = "Gender" >female
```

```
<div class = "Date">DOB</div>
```

```
<input type = "date" name = "DOB">
```

IU2041230130 SNEH PATEL

```
<div class="name"> Zipcode</div>

<input type = "number" id = "name" placeholder = "Enter your Zipcode"
maxlength="6"> <br> <button type="submit" class="registerbtn">Register</button>

</form>

</body>

</html>
```

---

## Registration form

Please fill in your details properly

Username

Enter your username

Password

Enter your password

Email

Enter your Email

Address

Enter your address

Gender

☒ male ☐ female

DOB

dd-mm-yyyy

Zipcode

Enter your Zipcode

Register