

## **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.

### **Define the following:**

**Web 3.0 :** Web3.0 is also known as the semantic decentralize wave represent the next wave or Phase of internet it aim to Create a more intelligent interconnected and decentralize web experience. Web 3.0, technologies like AI, linked data and decentralized networks to provide context rich information empower users with greater control over the data and enhance privacy and security.

**Website :** Website is collection of webpages and related content accessible through specific domain name or internet it serve us an online platform where individual businesses, organization or institute can Share information, showcased Product or services engage with visitors and perform iterative functions.

**Web Portal :** Web portal is website that serve us gateways or entry point to a variety of information, services and resources available on internet. It is designed to aggregate and organize content from different sources into unified interface making it easier for user to access and navigate through multiple resources.

**Domain name :** A domain name is a unique and human readable address then identify the website on internet it is a user friendly label for numeric ip address associated with server hosting website domain name consist of series of characters separated by dot such as example.com.

**Networking concept :** It refer to the principles, protocols and technologies involved in connecting and communicating devices and system in a computer network, networking concept enable the exchange of data and resources between connected devices insuring efficiency and reliable communicate within and across networks.

**Introduction to network :** The internet is global network of interconnected computer network that enables communication and information sharing across the globe. It provide access to array of resources services and information through webpages, email, file transfer and other Protocols. The internet operates on TCP/IP Protocol Suit which enable the talas mission and routine of data Packages across interconnected networks.

**Hosting of website :** Hosting a website prefer to the process records storing and making of websites of accessible on the internets website files and data are hosted on servers which are powerful computer that are connected to internet and design to respond to user request.

**Server configuration and maintenance :** Server configuration and maintenance involve setting up and optimizing the hardware and software components of server to insure it efficient operations this include installing and configuring the operating system. web server software dbms, security measures and other necessary software.

## Practical – 1.2

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

Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Website Layout</title>
</head>
<body>
  <table border="5" width="100%" height="500" justify="center">
    <caption> <h1>Basic Website Layout</h1> </caption>
    <tr height="10%">
      <td colspan="3" align="center">Logo</td>
      <td colspan="2" align="center">Search</td>
      <td rowspan="3" width="150px" align="center">Advertisement</td>
    </tr>
    <tr>
      <td align="center" width="150px">News</td>
      <td colspan="3" rowspan="2" align="center">Content Area</td>
    </tr>
    <tr>
      <td align="center" width="150px">Events</td>
    </tr>
    <tr>
      <td align="center" colspan="6" height="50px"> Footer</td>
    </tr>
  </table>
</body>
</html>
```

Output:

**Basic Website Layout**

Logo	Search		Advertisement
News	Content Area		
Events			
Footer			

## Practical – 1.3

**Aim:** Make resume with the help of Basic HTML Tags

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Resume</title>
</head>
<body>
  <div class="container">
    <header>
      <h1>Rishi Joshi</h1>
    </header>
    <section>
      <h2>Summary</h2>
      <p> I am always looking for a challenging opportunity, in the field of Computer Engineering, which will enable me to continuously learn, create, innovate, and simultaneously contribute to the short and long-term goals of the organization effectively using my technological and managerial skills. Well-versed in numerous programming languages including HTML5, OOP, Java, CSS3, MySQL, C Programming, VB.net. Strong background in team projects.
    </p>
    </section>
    <section>
      <h2>Skill Highlights</h2>
      <ul>
        <li>Programming in C & C++</li>
        <li>Web development (HTML5, CSS3, JS, PHP, MySQL, MariaDB) </li>
        <li>Python</li>
        <li>Java Programming</li>
        <li>Data Structure & Algorithm</li>
        <li>Visual Basic .NET</li>
      </ul>
    </section>
    <section>
      <h2>Experience</h2>
```

**Internship Experience:** Worked as a Software Development Intern at Vaistra Technology (June 2024 - July 2024). Developed an invoice generator in PHP and Laravel, and created a clone of the Amazon Prime page. Collaborated on design and implementation of software solutions, gaining experience in coding, testing, and deployment.

Ability to quickly adapt to new emerging technologies.

**Education**

Completed Diploma in Computer Engineering (2020 - 2023) from Government Polytechnic, Porbandar with a CGPA of 8.83.

Pursuing a Bachelor of Science in Computer Science and Engineering at Indus University (Expected Graduation: 2026).

**Certifications**

CCC (Course on Computer Concepts)

8085 Microprocessor Programming

**Project**

I have developed a web application for small businesses that enables efficient financial management through features such as stock tracking, customer and supplier management, and automated reminder notifications for overdue payments and invoices.

Contact No.: +91 7801848925

Email Id: <a

LinkedIn: <a href="https://www.linkedin.com/in/rishi-joshi-9b2119225/">https://www.linkedin.com/in/rishi-joshi-9b2119225/</a>

## Output:

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### Rishi Joshi

#### Summary

I am always looking for a challenging opportunity, in the field of Computer Engineering, which will enable me to continuously learn, create, innovate, and simultaneously contribute to the short and long-term goals of the organization effectively using my technological and managerial skills. Well-versed in numerous programming languages including HTML5, OOP, Java, CSS3, MySQL, C Programming, VB.net. Strong background in team projects.

#### Skill Highlights

- Programming in C & C++
- Web development (HTML5, CSS3, JS, PHP, MySQL, MariaDB)
- Python
- Java Programming
- Data Structure & Algorithm
- Visual Basic .NET

#### Experience

**Internship Experience:** Worked as a Software Development Intern at Vastra Technology (June 2024 - July 2024). Developed an invoice generator in PHP and Laravel, and created a clone of the Amazon Prime page. Collaborated on design and implementation of software solutions, gaining experience in coding, testing, and deployment.

Ability to quickly adapt to new emerging technologies.

#### Education

Completed Diploma in Computer Engineering (2020 - 2023) from Government Polytechnic, Porbandar with a CGPA of 8.83.

Pursuing a Bachelor of Science in Computer Science and Engineering at Indus University (Expected Graduation: 2026).

#### Certifications

- CCC (Course on Computer Concepts)
- 8085 Microprocessor Programming

#### Project

I have developed a web application for small businesses that enables efficient financial management through features such as stock tracking, customer and supplier management, and automated reminder notifications for overdue payments and invoices.

Contact No.: +91 7801848925

Email Id: [rishijoshi@gmail.com](mailto:rishijoshi@gmail.com)

LinkedIn: <https://www.linkedin.com/in/rishi-joshi-9b2119225/>

## Practical – 1.4

**Aim:** Write HTML Code to display student registration form.

**Code:**

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>
  </head>
  <body>
    <form action="#" enctype="multipart/form-data">
      <table border="1" align="center" width="400px" height="400px">
        <caption> <h2>Registration Form</h2> </caption>
        <tr>
          <td><label for="first_name">First Name:</label></td>
          <td><input type="text" name="first_name" id="first_name" placeholder="ex
John"></td>
        </tr>
        <tr>
          <td><label for="last_name">Last Name:</label></td>
          <td><input type="text" name="last_name" id="last_name" placeholder="ex
Smith"></td>
        </tr>
        <tr>
          <td><label for="email">Email:</label></td>
          <td><input type="email" name="email" id="email"
placeholder="example@gmail.com"></td>
        </tr>
        <tr>
          <td><label for="gender">Gender:</label></td>
          <td>
            <input type="radio" name="gender" id="male" value="male">
<label for="male">Male</label>
            <input type="radio" name="gender" id="female" value="female">
<label for="female">Female</label>
          </td>
        </tr>
      </table>
    </form>
  </body>
</html>
```



```

</tr>
<tr>
  <td><label for="city">City:</label></td>
  <td>
    <select name="city" id="city">
      <option value="new_york">New York</option>
      <option value="los_angeles">Los Angeles</option>
      <option value="chicago">Chicago</option>
      <option value="houston">Houston</option>
      <option value="phoenix">Phoenix</option>
    </select>
  </td>
</tr>
<tr>
  <td><label for="phone">Phone Number:</label></td>
  <td><input type="tel" name="phone" id="phone" placeholder="+91
123456789"></td>
</tr>
<tr>
  <td><label for="password">Password:</label></td>
  <td><input type="password" name="password" id="password"
placeholder="Password"></td>
</tr>
<tr>
  <td colspan="2" align="center">
    <button type="submit">Submit</button>
    <button type="reset">Reset</button>
  </td>
</tr>
</table>
</form>
</body>
</html>

```

Output:

## Registration Form

First Name:	<input type="text" value="Joe"/>
Last Name:	<input type="text" value="Mama"/>
Email:	<input type="text" value="joemama@gmail.com"/>
Gender:	<input checked="" type="radio"/> Male <input type="radio"/> Female
City:	<input type="text" value="Los Angeles"/> ▼
Phone Number:	<input type="text" value="+91 7801848"/>
Password:	<input type="password" value="....."/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	