i) You are developing a website for a local restaurant
and need a responsive navigation bar that
displays menu items.

```
<nav class = "navbar">
    <div class= "logo">Restaurant </div>
    <ul class = "nav-links">
        <li><a href= "#">Home</a></li>
        <li><a href ="#"> menu zone</a></li>
        <li><a href ="#">About us</a></li>
    </ul>
    <div class ="nam burger">
        <span></span>
        <span></span>
        <span></span>
    </div>
</nav>
```

CSS

```
<style>
    navbar{
        display: flex;
        justify content: space-between;
        align-items: center;
        Padding: 6px 20px
        background-color:#333;
    }

    • nav-links{
        display: flex;
        list-style: none;
    }

    • nav-links li{
        margin: 015px;
```

```
}
}
</style>
```

Java Script

```
<script>
document.query selector (hamburger) add EventList - endeo
                    . click, function ()[
        this . class list. toggle (active);
        document . query selector ('nav-links') . class list.
                            toggle ('active
    });
</script>
```

O/P:-

MY Resume

&rinu -webdeveloper/designer
Passionate webdavloper with exprsience
experience: previous roles
SKills: HTML, LSS
Contact: Srinu @gmail.com

---

2) A social networking site requires user registration
form with fields for usrname, email, password
and confirmation password.

```
<form id=" registration Form">
    <label for = "username">username: </label>
    <label for = "email" >Email:</label>
    <label for = "password"> password: </label>
```

```html
<input type = 'password' id = "confirm Password"
                              required ></b>>
    <button type = "submit" >Register </button>
<form)
```

Java Script

```javascript
<script>
document.get element By id
    e.prevent Default();
    const email = document.get element By id
    const Password = document.get element By
                         id ("password").value;
    if (Password == confirm Password){
        return;
    }
    alert ('Registration sucessful);
});
</script>
```

```
┌─────────────────────────────────────────┐
│           Promotional Button             │
│  welcome   to   our  website             │
│  check out   our  latest  promotional    │
│  offer  by  clicking  the  button below  │
└─────────────────────────────────────────┘
```

3) How would you efficiencently apply newstyle accross all pages of websites

```
<div id="posts'><div>
<button id="load more">Load More Posts</button>
```

Java script

```
<script>
document. get element BV Id ('load More)
    fetch ('link') then (response => response.json())
        . then (data =>{
    data. for Each (post =>{
        Const post element = document create
                    element ('div');
        posts container. append child (post element)
        }
    }
    . catch (error => console . error ("error:", error));
}
</script>
```

O/P:-

My website
welcome to my
            website

1) Write a JSP page that includes HTML

```
<%@ page language="java", import : servlet %>
<html>
<body>
    <form method : "post">
        Name:<input type = "type" name >
        email: <input type. = "email">
        course: <input type = "text" course/>
        <input type = "submit" value = "register>
    </form>

    %
        <h2> submitted Data :</h2>
        <p> Name: <% =name %></p>
        <p> email: <% = email %></p>
    }
    %>
</body>
</html>
```

o/p:-

Submitted Data:

Name: Alice

email: alice @ gmail·com

course: Java

5) A library maintains its book catalog in XML format requiring an XSD schema with specific constraints

```xml
<XSchema   xmlns:xs = "http://www.w3.org/2001/
                      XMLSchema"/>
  <xs: element   name = "catalog">
    <xs: complex type>
      <xs: sequence>
        <xs: complex type>
          <xs: sequence>
            <xs: element name = "title" type = xs string"/>
            <xs: element name = "author" type = "xs:string"/
            <xs: element name = "isbn" type = "xs:String pattern
                                      = "d{133"/>
            <xs: element name = "genre" type = "xs:string"/>
            <xs: element name = "availability" type = "xs:String
              <xs: simple type>
                <xs: restriction base = "xs:stang">
                <xs: restriction>
              </xs: simple type>
          </xs: elements
        </xs: sequence>
      </xs: complex types>
    </xs: element>
  </xs: sequence>
  </xs element>
</xs: schema>
```

o/p:

Book Title: oppative Java

Author : Vishnu

ISBN: 98 7013 4 68 5119/

Genre : programming

6) An online news website needs to display artic
stored in XML format in user friendly.

```
<XSIT style sheet xm/ns: Xsl = "http://www.w3.org/
                      1999/KSL/Transform
    <Vs template match = "varticles">
        <html>
            <body>
                <Xsl: for- each select = "articre">
                <h2><b><XS: value- of select = "title">
        <P <i> By: <xsl: value of select = "author>
              </li <le>
        <P> <i>< xslit value-of select = "summary">
                  <i> <le>
              <P> <Xsl: Value of select = content">
        </XSl: for each>
    </body>
    </html>
</xsl :template>
</XSl : style sheet>
```

O/P:-
Breaking News - 2024-09-1/
By: Srinu
Summary: (This is the) summary of article.

7) Write an XSLT file to transfor XML data into an HTML format

```
<XSl; stYresheel xmlns: xSl:"http://www.w3.org/laaag
  XSl:template match="/articles/..
    <html>
      <body>
        <XSl for each select:"article">
          <P><li> By; <XSl: value of select="author"
                                    <i></p>
          <P><li> [xsl:value of select "summar
                                 /><(i) </p>
          <P><XSl: Value - of select="content"/></p>
        </xsl; for-each>
      </body>
    </html>
  <Xsl: templa-b>
</Xsl; style sheet>
```

O/P:-

Technology Advancement - 2024-09-12

BY : srinu

Summary: exposes the latest trends in technology