

1) Explain Feature of Web programming & their advantages

Ans Features of Web Development/programming:

→ Good Web Design: The website design must be simple and professional. Creating a simple & interface for the users will definitely be happy.

→ Web Content: Anytime a website should have the best content. Thus your website must serve the purpose

→ Quick and user friendly navigation:

The visitors must easily access your website, They must find the interface easy to browse.

→ Web Compatibility: The website must be compatible to run across for different platforms & browsers and devices.

HTML:

Adv:- Easy to create a webpage.

→ It's plain text so it's easy to edit

→ Fast to download because the text is compressible.

→ Can be used to present just about anything on a webpage.

CSS:

Adv:- Saves time

→ Pages load faster

→ Easy maintenance

→ Superior styles to HTML.

PHP JavaScript:

→ Runs fast

→ Platform Independent

→ Easy to learn

→ Richer interfaces.

PHP:-

→ Fast access to data

→ less error.

→ more storage

→ Quick transaction.

2) Explain in detailed about ~~use~~ layout in html with an example?

* Page layout:-

Page layout is the part of graphic design that deals with the arrangement of visual elements on a page.

Page layout is used to make the web page look better.

Header Section	
Navigation Bar	
Index	Content section
Footer Section	

Header: The part of a front end which is used at the top of the page <header>

Navigation bar: The navigation bar is same as menu with

Index / Sidebar: It holds additional info.

Content Section: The content section is the main part where content is displayed

Footer: The footer section contains

ex

```
<html>
```

```
<head>
```

```
<title> Page layout </title>
```

```
</head>
```

```
<body>
```

```
<header>
```

```
<div> My Website </div>
```

```
<div> Subline </div>
```

```
</header>
```

```
<div>
```

```
<a href="#home">HOME</a>
```

```
<a href="#news">NEWS</a>
```

```
</div>
```

```
<div>
```

```
<h3> Content section </h3>
```

```
</div>
```

```
<Footer> Footer section </Footer>
```

```
</body>
```

```
</html>
```

O/P:

My Website

Subline.

HOME NEWS

Content section

Footer section

3) Describe the role of XML Schema language in XML S with an example?

A → XSLT is a language for transforming XML document

→ XSL code is written with extension .xsd

XML Namespace:

To avoid name conflicts in xml dtd's we use xml name space

Syntax: <Element xmlns:name="URL">

ex1 student.xml

<?xml version="1.0" encoding="UTF-8"?>

<?xml : style sheet type="text/xsl"
href="rule.xsl"?>

<student>

<s>

<name>me </name>

<branch>CSE </branch>

<age>30 </age>

<city>japan </city>

</s>

<s>

<name>you </name>

<branch>CSE </branch>

<age>20 </age>

<city>hyd </city>

</s>

</student>

rule.xsl :-

<?xml version="1.0" encoding="UTF-8"?>

<?xsl : style sheet version="1.0"

```

xsl:template match="/student" {
  <xsl:template match="/">
    <html>
      <body>
        <h1 align="center">student details
        </h1>
        <table border="1" align="center">
          <tr>
            <th>Name </th>
            <th>branch </th>
            <th>age </th>
            <th>city </th>
          </tr>
          <xsl:for-each select="student">
            <tr>
              <td><xsl:value of
                select="name" />
              <td><xsl:value of
                select="branch" />
              <td><xsl:value of
                select="age" />

```


<td><xsd: value of select =
"city"/>

</td>

</xsd: for each>

</table>

</body>

</html>

</xsd: template>

</xsd: style sheet>

o/p

student details

| Name | Branch | Age | City |
|------|--------|-----|-------|
| me | CSE | 30 | japan |
| you | CSE | 20 | hyd |

4) Write short note on protocol & categorize different protocols used.

* Protocol: A protocol is a set of rules and guidelines. In the network in order to communicate or transmit data successfully

HTTP: hypertext transfer protocol.

→ used to transfer data world wide web

→ client & server interaction can be identified.

→ It is an application level protocol.

FTP: File transfer protocol

→ to transfer files b/n client & server.