Course: B. Tech

SUMITTED BY **KRISHANKANT SARASWAT**

(74)
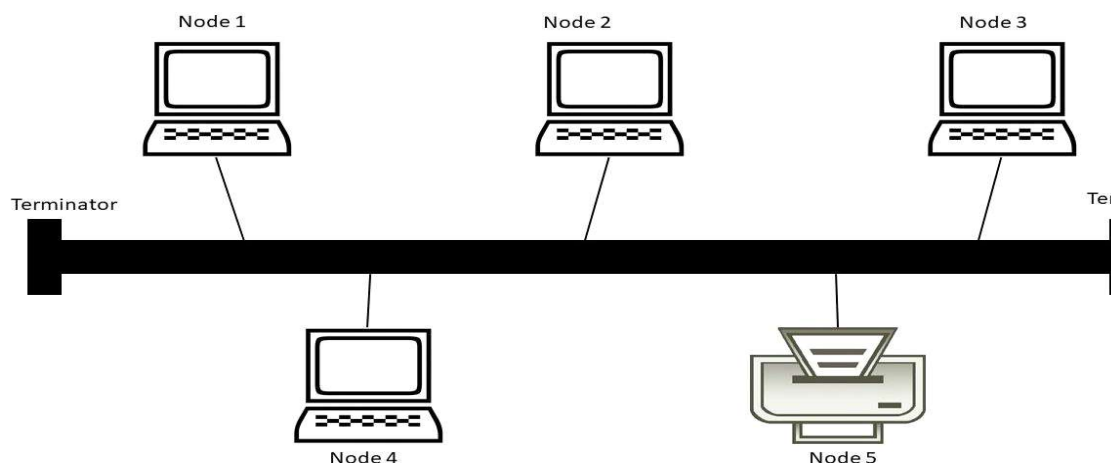
# GLA2022-15090012
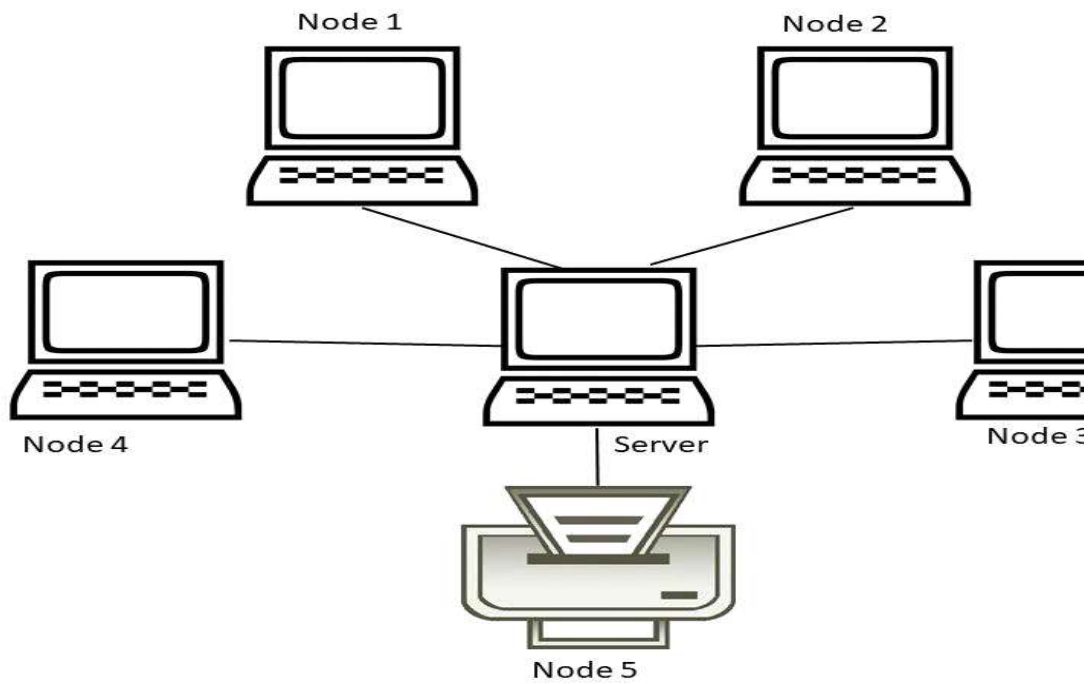
**Subject (Subject Code): Web Programming (BCSC0601)**
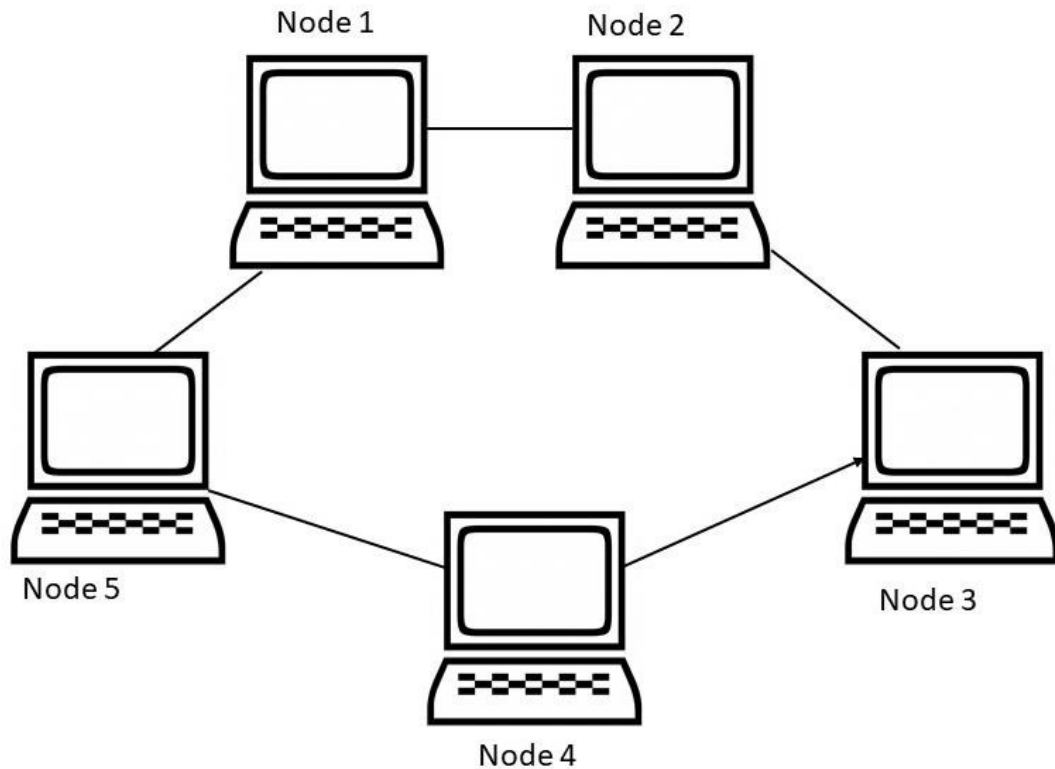
Assignment No. 1

## *#1 TOPOLOGY*

**1. Bus topology**-it is simple to set up, requires less cabling, and is great for small networks



**2.Star topalogy**- it is a child's play to set up and is very flexible at the same time.

Node 1  Node 2

Node 4  Server  Node 3

Node 5

**3.Ring Network topology-**it is very simple to set up but is hardly in use nowadays. A complete reconfiguration of the network is necessary to add a new node.

Node 1      Node 2
Node 5
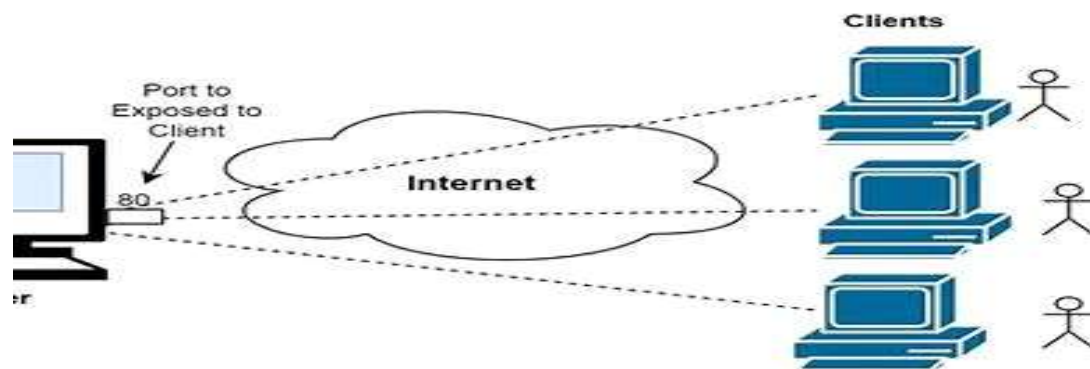Node 3
Node 4

## **#2 Difference between http and https**.

## Key Difference between HTTP and HTTPS

**1**.HTTP lacks a security mechanism to encrypt the data, whereas HTTPS provides SSL or TLS Digital Certificate to secure the communication between server and client.

**2**.HTTP operates at the Application Layer, whereas HTTPS operates at Transport Layer.default operates on port 443.

**3**.HTTP transfers data in plain text, while HTTPS transfers data in cipher text (encrypt text).

**4**.HTTP is fast as compared to HTTPS because HTTPS consumes computation power to encrypt the communication channel.

# #3 CLIENT SERVER ARCHITECTURE

A client-server architecture or model is an application network separating tasks between the clients and servers that live in the same system or have to communicate through a computer network. The server-client mainly relies on sending the request to another program to access the service made accessible by the server.



# #4Five CEO of IT ORGANISATION CODING

&lt;html&gt;

&lt;head&gt;

&lt;title&gt;ceo of it companies&lt;/title&gt;

```
<body><ol>

<li> microsoft-Satya Narayan Nadela.<br>

<img src="C:\Users\This PC\Desktop\OIP (1).jpg"><br>

<li>IBM-Arvind Krishna.<br>

<img src="C:\Users\This PC\Desktop\ibm.jpg"><br>

<li>Accenture-Julie sweet.<br>

<img src="C:\Users\This PC\Desktop\julie.jpg"><br>

<li>Oracle-Safra A. Catz<br>

<img src="C:\Users\This PC\Desktop\safar.jpg"><br>

<li>Amazon-Andy Jassy<br>

<img src="C:\Users\This PC\Desktop\amazon.jpg">

</ol>

</body>

</html>
```

=OUTPUT

1. microsoft-Satya Narayan Nadela.



2. IBM-Arvind Krishna.



3. Accenture-Julie sweet.



4. Oracle-Safra A. Catz



5. Amazon-Andy Jassy



# #5 CREATE A WEB PAGE

# =CODING

```
<html>

<head>

<style>

p{

 border-style: solid;

 }

</style>

<title>kana.123</title>

<body>

<p>

&lt;html&gt;<br>

&lt;head&gt;<br>

&lt;title&gt;Assignment&lt;&#47;titles&gt;<br>

&lt;&#47;head&gt;<br>

&lt;body&gt;<br>

COntent of the webpage should be displayed.</br>

&lt;&#47;body&gt;<br>

&lt;&#47;html&gt;<br>
```

```
</p>

</body>

</html>
```

# =OUTPUT

```
<html>
<head>
<title>Assignment</titles>
</head>
<body>
COntent of the webpage should be displayed.
</body>
</html>
```

## #6 MATHEMATICAL FORMULA

# =CODING

```
<html>

<head>

<title>ram</title>

<body>


<table align="center" border="1">

<tr>

<td colspan="3"><h1><center><u>MATHEMATICS
   FORMULA</u></CENTER><br>
```

```html
<ul>
<tr>
<th>S.NO
<th>FORMULA NAME
<th>Formula
<tr>
<td><li>
<td>AREA OF CIRCLE
<td>=&pi;R<sup>2</sup>
<tr>
<td><li>
<td>TRIGONOMETRIC  IDENTITIES WITH ANGLE
  ALPHA(&alpha;)
<td><OL>
<li>=sin<sup>2</sup>&alpha;+cos<sup>2</sup>&alpha;
  =1
<li>1+sec<sup>2</sup>&alpha;
  =tan<sup>2</sup>&alpha;
<li>1+cot<sup>2</sup>&alpha;
  =cosec<sup>2</sup>&alpha;
```

```
</ol>

<tr>

<td><li>

<td>SQUARE OF (a+b)

<td>=a<sup>2</sup>+b<sup>2</sup>+2ab

<tr>

<td><li>

<td>CUBE OF (a+b)

<td>=a<sup>3</sup>-b<sup>3</sup>-3ab(a-b)

<tr>

<td><li>

<td>DIFFERENCE BETWEEN SQUARE OF TWO VARIABLES

<td>=A<sup>2</sup>-B<sup>2</sup>=(A+B)(A-B)

<tr>

<td><li>

<td>TIME PERIOD PENDULUM

<td>=2&pi;&radic;L/G

<tr>

</ol>
```

```html
<td><li>

<td>GRAVITATION FORCE

<td>=Gm<sub>1</sub>m<sub>2</sub>/r<sup>2</sup>

<tr>

<td><li>

<td>RELATION BETWEEN MASS AND ENERGY

<td>E=mc<sup>2</sup>

<tr>

<td><li>

<td>RELATION BETWEEN DENSITY(&rho;),mass and
   volume

<td>=&rho;m/v

<tr>

<td><li>

<td>KINETICE ENERGY

<td>=mv<sup>2</sup>/2

</ul>

</table>

</body>
```

</html>

# =OUTPUT

## MATHEMATICS FORMULA

| S.NO | FORMULA NAME | Formula |
|---|---|---|
| • | AREA OF CIRCLE | $=\pi R^2$ |
| • | TRIGONOMETRIC IDENTITIES WITH ANGLE ALPHA($\alpha$) | 1. $=\sin^2\alpha+\cos^2\alpha=1$<br>2. $1+\sec^2\alpha=\tan^2\alpha$<br>3. $1+\cot^2\alpha=\csc^2\alpha$ |
| • | SQUARE OF (a+b) | $=a^2+b^2+2ab$ |
| • | CUBE OF (a+b) | $=a^3-b^3-3ab(a-b)$ |
| • | DIFFERENCE BETWEEN SQUARE OF TWO VARIABLES | $=A^2-B^2=(A+B)(A-B)$ |
| • | TIME PERIOD PENDULUM | $=2\pi\sqrt{L}/G$ |
| • | GRAVITATION FORCE | $=Gm_1m_2/r^2$ |
| • | RELATION BETWEEN MASS AND ENERGY | $E=mc^2$ |
| • | RELATION BETWEEN DENSITY($\rho$),mass and volume | $=\rho m/v$ |
| • | KINETICE ENERGY | $=mv^2/2$ |

# #7 REGISTRATION PAGE OF KK INFOTECH COMPANY

# =CODING

<Html>

<head>

<title>KK INFOTECH</title>

<style>

p{border-style:solid;}

```html
</style>
</head>
<body>

<h1 align="center"><u><font size="48">Krishankant
   Saraswat Infotech Pvt.limited</font></u></h1>

<p>

<table align="center" width="100%">

<ul>


<tr>


<td><li>User Name

<td><input type="text" name="t1" required>

<tr>

<td><li>Password

<td><input type="password" name="password"
   required>

<tr>

<td><li>Confirm Password

<td><input type="password" name="password"
   required>
```

```html
<tr>

<td><li>Email Id

<td><input type="email id" name="text" required>

<tr>

<td><li>Contact number

<td><input type="number" name="number" required>

<tr>

<td><li>Gender

<td><input type="radio" name="male" value="male"
    required>male<br>

<input type="radio" name="female" value="female">
    female

<tr>

<td><li>Highest Qualification

<td><select id="Qualification" data
    name="Qualification" required>

<option value="">select one </option>

<option value="">10th pass</option>

<option value="">12th pass</option>

<option value="">graduate </option>

<option value="">post graduate</option>

<option value="">other</option>
```

```html
</select>

<tr>

<td><li>Language Known

<td><select id="language" data name="language"
   required>

<option value="">English</option>

<option value="">hindi</option>

</select>

<tr>

<td><li>Prefered Programming Language

<td><select id="programer" name="programmer"
   required>

<option value="select one"></option>

<option value="">Python</option>

<option value="">Java</option>

<option value="">c/c++</option>

</select>

<tr>

<td><li>Two lines to describe yourself

<td><input type="text" name="text" required>

</ul>
```

```
</table>

</p>

</body>

</html>
```

# =OUTPUT

## Krishankant Saraswat Infotech Pvt.limited

- User Name
- Password
- Confirm Password
- Email Id
- Contact number

- Gender
  - ○ male
  - ○ female
- Highest Qualification — select one ▼
- Language Known — English ▼
- Prefered Programming Language — ▼
- Two lines to describe yourself