

Practical - 11

Objective: Program to prepare a web-page to contain table that loads different documents after clicking their content.

Description: The <table> tag defines an HTML table. An HTML table consists of one <table> element and one or more <tr>, <th>, and <td> elements. The <tr> element defines a table row, the <th> element defines a table header, and the <td> element defines a table cell.

Source Code:

```
<html>
<head>
    <title>Table Of Content</title>
</head>
<body>
    <h1 align="center">Differnet Document List</h1>
    <table border="2" align="center" cellpadding="5" cellspacing="5" bgcolor="#f7f7f7" width="80%">
        <br>
        <thead>
            <td colspan="4" align="center">Table Of Content</td>
        </tr>
        </thead>
        <tbody align="center">
            <tr>
                <th>Sr. No.</th>
                <th>Topic</th>
            </tr>
            <tr>
                <td>1</td>
                <td>
                    <a href="01Bio - Data.docx">Resume/Biodata</a>
                </td>
            </tr>
            <tr>
                <td>2</td>
                <td>
```

```
<a href="02Result.xlsx">Result Graph In Excel</a>
</td>
</tr>
<tr>
<td>3</td>
<td>
<a href="03CollagePresentation.pptx">Presentation On Collage</a>
</td>
</tr>
<tr>
<td>4</td>
<td>
<a href="04BussinesLetter.html">Bussiness Letter template</a>
</td>
</tr>
<tr>
<td>5</td>
<td>
<a href="05Innvoice.html">Invoice</a>
</td>
</tr>
<tr>
<td>6</td>
<td>
<a href="06List.html"> List Jump</a>
</td>
</tr>
<tr>
<td>7</td>
<td>
<a href="07listOS.html">Orderd List</a>
</td>
</tr>
<tr>
```

```
<td>8</td>
<td>
<a href="08A_imageTop.html">Image Illusion</a>
</td>
</tr>
<tr>
<td>9</td>
<td>
<a href="09InnvoiceUsingTable.html"> Invoice Using table</a>
</td>
</tr>
<tr>
<td>10</td>
<td>
<a href="10Table_of_Content.html">Table Of Cotent</a>
</td>
</tr>
<tr>
<td>*</td>
<td>
<a href="android.jpg"> Android Logo</a>
</td>
</tr>
<tr>
<td>*</td>
<td>
<a href="ITM file.docx"> Internet Technology Management Lab Doc File</a>
</td>
</tr>
<tr>
<td>*</td>
<td>
<a href="ITM file.pdf"> Internet Technology Management Lab PDF File</a>
</td>
```

```
</tr>
</tbody>

<tfoot>
    <td colspan="4" align="center">Thank You</td>
</tfoot>

</table>

</body>

</html>
```

Output:

Differnet Document List

Table Of Content	
Sr. No.	Topic
1	Resume/Biodata
2	Result Graph In Excel
3	Presentation On Collage
4	Business Letter template
5	Invoice
6	List Jump
7	Orderd List
8	Image Illustion
9	Invoice Using table
10	Table Of Cotent
*	Android Logo
*	Internet Technology Management Lab Doc File
*	Internet Technology Management Lab PDF File
Thank You	

Tabel of Content

Differnet Document List

Table Of Content	
Sr. No.	Topic
1	Resume/Biodata
2	Result Graph In Excel
3	Presentation On Collage
4	Business Letter template
5	Invoice
6	List Jump
7	Orderd List
8	Image Illustion
9	Invoice Using table
10	Table Of Cotent
*	Android Logo
*	Internet Technology Management Lab Doc File
*	Internet Technology Management Lab PDF File
Thank You	



If we open file which not open in browser it will downloaded



android

When we click on Android Logo it will open in browser

A screenshot of a presentation slide. At the top, there are navigation icons for a presentation slide, including arrows for navigation, a magnifying glass for search, and other standard presentation controls. The main content area contains the Mukand logo, which features the word "Mukand" in a large, blue, sans-serif font with a rainbow arc above the letter "u". Below the logo, the text "JMIETI,RADAUR" is displayed in a smaller, bold, black font. At the bottom of the slide, there is a footer with the text "Internet Technology Management Lab" and "SESSION:2019-2023".

When we click on Pdf it will open in browser

Practical - 12

Objective: Program to Prepare a web-page to illustrate interlinking ,Interlinking and Hyper Linking.

Description: HTML internal link is linked within the same web page. This link can be an absolute path or relative path. HTML internal link name is followed by the hash sign(#). You have to assign an id to refer section of your page, which is referred to as an internal link to the same page.

Intrapage linking enables you to have a link in a document that will automatically go to another location within the same document.

To make a hyperlink in an HTML page, use the `<a>` and `` tags, which are the tags used to define the links. The `<a>` tag indicates where the hyperlink starts and the `` tag indicates where it ends. Whatever text gets added inside these tags, will work as a hyperlink. Add the URL for the link in the ``

Source Code:

```

<html>
<head>
    <title> Linking In Web Pages </title>
</head>
<body>
    <h3> Inter Linking </h3>
    <a href="#redhat"> Red hat Linux </a>
    <a href="#debian"> Debian Linux </a>
    <a href="#ubuntu"> Ubuntu Linux </a>
    <h3> Intra Linking </h3>
    <a href="08A_imageTop.html">Image Illusion game </a>
    <h3> Hyper Linking </h3>
    <a href="https://www.jmieti.edu.in/">Collage Website</a>
    <ul>
        <li>
            <dl>
                <dt id="redhat">Red Hat Linux</dt>
                
                <dd>The RedHat Linux operating system is one of the relatively old GNU / Linux, offering convenience, a fully graphical display mode starting at installation, and friendly usage.
                <br>
            </dl>
        </li>
    </ul>
</body>
</html>

```

Linux® is an open source operating system (OS). It was originally conceived of and created as a

hobby by Linus Torvalds in 1991. Linus, while at university, sought to create an alternative, free, open source version of the MINIX operating system, which was itself based on the principles and design of Unix.

That hobby has since become the OS with the largest user base, the most-used OS on publicly available internet servers, and the only OS used on the top 500 fastest supercomputers.

Perhaps the best thing about Linux is that it's open source. Linux is released under the GNU General Public License (GPL). That means that anyone can run, study, share, and modify the software.

The modified code can also be redistributed, and even sold, but must be done so under the same license. This differs greatly from traditional operating systems—Unix and Windows, for example—which are proprietary, locked-down, and delivered as-is and unmodifiable.

</dd>

</dl>

<dl>

<dt id="debian">Debian Linux</dt>

<dd>TDebian is one type of various Linux operating systems that have been around for a long time since 1999 and continue to be developed regularly every year until now entering version 8.

Linux® is an open source operating system (OS). It was originally conceived of and created as a hobby by Linus Torvalds in 1991. Linus, while at university, sought to create an alternative, free, open source version of the MINIX operating system, which was itself based on the principles and design of Unix.

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The

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```
</dd>
</dl>
<dl>
    <dt id="ubuntu"> Ubuntu Linux</dt>
    
```

<dd>Ubuntu is a type of Linux operating system that is basically developed from Debian. The difference is that this Ubuntu operating system can be used not only on server computers and admin computers but also can and is suitable for use on personal or personal computers. The Ubuntu project itself is funded by Canonical Ltd (a company owned by Mark Shuttleworth).

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```
</dd>
</dl>

</ul>
</body>
</html>
```

08A_ImageTop.html

```
<html>
<head>
    <title>Top</title>
</head>

<body>
    <h1>Top</h1>
    <a href="08B_ImageMiddle.html">
        
    </a>
</body>
</html>
```

08B_ImageMiddle.html

```
<html>
<head>
    <title>Middle</title>
</head>
<body>
    <h1>Middle</h1>
    <a href="08C_ImageBottom.html"></a>
</body>
</html>
```

08C_ImageBottom.html

```
<!DOCTYPE>
<html>
```

```
<head>

<title>Bottom</title>

</head>

<body>

<h1>Bottom</h1>

<a href="08A_imageTop.html"></a>

</body>

</html>
```

Output:

Inter Linking

[Red hat Linux](#) [Debian Linux](#) [Ubuntu Linux](#)

Intra Linking

[Image Illusion game](#)

Hyper Linking

[Collage Website](#)



The RedHat Linux operating system is one of the relatively old GNU / Linux, offering convenience, a fully graphical display mode starting at installation, and friendly usage. Linux® is an open source operating system (OS). It was originally conceived of and created as a hobby by Linus Torvalds in 1991. Linus, while at university, sought to create an alternative, free, open source version of the MINIX operating system, which was itself based on the principles and design of Unix. That hobby has since become the OS with the largest user base, the most-used OS on publicly available internet servers, and the only OS used on the top 500 fastest supercomputers. Perhaps the best thing about Linux is that it's open source. Linux is released under the GNU General Public License (GPL). That means that anyone can run, study, share, and modify the software. The modified code can also be redistributed, and even sold, but must be done so under the same license. This differs greatly from traditional operating systems—Unix and Windows, for example—which are proprietary, locked-down, and delivered as-is and unmodifiable.



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Landing page

Hyper Linking[Collage Website](#)

Red Hat Linux



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Debian Linux



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Ubuntu Linux



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After Clicking On Red Hat Linux**After Clicking On game Illusion****Top****Image Top**

Middle



Image Middle

Bottom



Image Bottom

After Clicking On Collage Website

The screenshot shows the homepage of the Jai Parkash Mukand Lal Innovative Engineering & Technology Institute (JMIETI). The header features the college's name and a navigation menu with links to Home, About, Administration, Admission, Academic, Student Life, Placements, Login, Gallery, Other Links, and Contact Us. A sub-menu for Exams 2021 is also visible. The main content area displays two women in traditional Indian attire (pink lehengas) performing a dance. A small portrait of a woman is centered between them. Below the image, the tagline "EXCELLENCE THROUGH CREATIVITY & INNOVATION" is displayed, along with a "REGISTER" button and a series of five circular progress indicators. A "IN NEWS" banner is visible at the bottom left.

Practical - 13

Objective: Program to Prepare a web-page to illustrate nested list that include image instead of bullet using data definition list in HTML.

Description: A nested list is a list inside another list. You can create a nested unordered list, or a nested ordered list, or even an ordered list nested inside an unordered one. Remember that the only direct child of the ul tag is li.

Source Code:

```
<html>

<head>
    <title>Document</title>
</head>

<body bgcolor="#f7f7f7">

    <h1>Operating Systems</h1>
    <h2>Linux Type</h2>
    <dl>
        <dt>
            Red Hat Linux</dt>
        <dd>
            The RedHat Linux operating system is one of the relatively old GNU / Linux, offering
            convenience, a fully graphical display mode starting at installation, and friendly usage.
        </dd>
    </dl>
    <dl>
        <dt>
             Debian Linux</dt>
        <dd>
            TDebian is one type of various Linux operating systems that have been around for a long time
            since 1999 and continue to be developed regularly every year until now entering version 8.
        </dd>
    </dl>
```

<dl>

 Ubuntu Linux</dt>

<dd>

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</dd>

</dl>

<dl>

 Linux Mint</dt>

<dd>

If Ubuntu was a development of Debian, Linux Mint is arguably the grandchild of Debian because it was developed on the basis of Ubuntu. The Linux Mint operating system was developed for the purpose of personal or personal use (PC) and is divided into 2 variants namely CINNAMON and MATE.

</dd>

</dl>

<dl>

 Fedora Linux</dt>

<dd>

Fedora (formerly called Fedora Core, sometimes also called Fedora Linux) is an RPM-based Linux distribution that is developed by the Fedora Project which is supported by the programming community and sponsored by Red Hat. The latest version is Fedora 24.

</dd>

</dl>

</body>

</html>

Output:

Operating Systems

Linux Type

Red Hat Linux

The RedHat Linux operating system is one of the relatively old GNU / Linux, offering convenience, a fully graphical display mode starting at installation, and friendly usage.

Debian Linux

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Ubuntu Linux

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Image instead of Bullets

Practical - 14

Objective : Program to Prepare a web-page using frame.

Description: HTML frames are used to divide your browser window into multiple sections where each section can load a separate HTML document. A collection of frames in the browser window is known as a frameset. The window is divided into frames in a similar way the tables are organized: into rows and columns.

Source Code:

index.html

```
<html>
  <head>
    <title>Frames </title>
  </head>

  <frameset rows="10%,*">
    <frame src="13title.html">
    <frameset cols="25 %,*">
      <frame src="13list.html"/>
      <frame name="frame_set" src="13default.html"/>
    </frameset>
  </frameset>

</html>
```

title.html

```
<html>
  <head>
    <title>Title</title>
  </head>
  <body bgcolor="#f7f7f7">
    <h1 align="center">Operating Systems</h1>
  </body>
</html>
```

list.html

```
<html>

<head>
    <title>Operating System</title>
</head>

<body bgcolor="#f7f7f7">
    <h1 align="center">Different Operating System</h1>
    <hr>
    <hr>
    <h3>
        <ol>
            <li> <a href="windows.html" target="frame_set">Windows Operating System</a></li>
            <li> <a href="linux.html" target="frame_set">LINUX Operating System</a></li>
            <li> <a href="solaris.html" target="frame_set">Solaris Operating System</a></li>
            <li> <a href="android.html" target="frame_set">Android Mobile Operating System</a></li>
            <li> <a href="ios.html" target="frame_set">iOS Mobile Operating System</a></li>
        </ol>
    </h3>

    <hr>
    <hr>
</body>

</html>
```

default.html

```

<html>
<head>
    <title>Image</title>
</head>
<body>

</body>
</html>

```

windows.html

```

<html>
<head>
    <title>Windows</title>
</head>
<body bgcolor="#f7f7f7">
    <h1 align="center">Windows</h1>
    <hr>
    <hr>
    <p align="center">Windows is an operating system designed by Microsoft to be used on a standard x86 Intel and AMD processors. It provides an interface, known as a graphical user interface(GUI) which eliminates the need to memorize commands for the command line by using a mouse to navigate through menus, dialog boxes, buttons, tabs, and icons. The operating system was named windows since the programs are displayed in the shape of a square. This Windows operating system has been designed for both a novice user just using at home as well as for professionals who are into development.
    </p>
    <p align="center">
        
    </p>

```

<h3>Features:</h3>

It is designed to run on any standard x86 Intel and AMD hence most of the hardware vendors make drivers for windows like Dell, HP, etc.

It supports enhanced performance by utilizing multi-core processors.

It comes preloaded with many productivity tools which helps to complete all types of everyday tasks on your computer.

 Windows has a very large user base so there is a much larger selection of available software programs, utilities.

Windows is backward compatible meaning old programs can run on newer versions.

Hardware is automatically detected eliminating need of manually installing any device drivers.

<h3>Drawbacks:</h3>

Windows can be expensive since the OS is paid license and majority of its applications are paid products.

Windows has high computer resource requirement like it should have high ram capacity, a lot of hard drive space and good graphics card.

Windows slows and hangs up if the user loads up many programs at the same time.

Windows includes network sharing that can be useful if user has a network with many PCs.

Windows is vulnerable to virus attacks since it has a huge user base and users have to update OS to keep up-to-date with security patches.

</body>

</html>

linux.html

<html>

<head>

<title>LINUX</title>

</head>

<body bgcolor="#f7f7f7">

<h1 align="center">Linux</h1>

<hr> <hr>

<p align="center">

The Linux OS is an open source operating system project that is a freely distributed, crossplatform operating system developed based on UNIX. This operating system is developed by Linus Torvalds. The name Linux comes from the Linux kernel. It is basically the system software on a computer that allows apps and users to perform some specific task on the computer. The development of Linux operating system pioneered the open source development and became the symbol of software collaboration.

</p>

<p align="center">

A small thumbnail image of the Linux logo, which consists of a red circle with a white 'L' and a blue circle with a white 'X'.

</p>

Features:

Linux is free can be downloaded from the Internet or redistribute it under GNU licenses and has the best community support.

Linux OS is easily portable which means it can be installed on various types of devices like mobile, tablet computers.

It is a multi-user, multitasking operating system.

BASH is the Linux interpreter program which can be used to execute commands.

Linux provides multiple levels of file structures i.e. hierarchical structure in which all the files required by the system and those that are created by the user are arranged.

Linux provides user security using authentication features and also threat detection and solution is very fast because Linux is mainly community driven.

Drawbacks:

There's no standard edition of Linux hence confusing for users and also becoming familiar with the Linux may be a problem for new users.

More difficult to find applications to support user needs since Linux does not dominate the market.

Since some applications are developed specifically for Windows and Mac, those might not be compatible withlinux and sometimes users might not have much of a choice to choose between different applications like in

Windows or Mac since most apps are developed for operating systems that have a huge user base.

Some hardware may not be incompatible with Linux since it has patchier support for drivers which may result in malfunction.

There are plenty of forums to resolve Linux issues, but it may not always match the user's own level of technical understanding.


```
</body>
</html>
```

solaris.html

```
<html>
<head>
    <title>Solaris</title>
</head>
<body bgcolor="#f7f7f7">
    <h1 align="center">Solaris</h1>
    <hr> <hr>
    <p align="center">
```

Solaris or SunOS is the name of the Sun company's Unix variant operating system that was originally developed for its family of Scalable Processor Architecture-based processors (SPARC) as well as for Intel-based processors. The UNIX workstation market had been largely dominated by this operating system during its time. As the Internet grew Sun's Solaris systems became the most widely installed servers for Web sites. Oracle purchased Sun and later renamed to Oracle Solaris.

```
</p>
<p align="center">
    
</p>
<h3>Features:</h3>
```


 Solaris is known for its scalability. It can handle a large workload and still delivers indisputable performance advantages for database, Web, and Java technology-based services.

Solaris systems were known to their availability meaning that these operating systems hardly crashes at anytime and because of its internet networking oriented design and broad scope of features it makes the job of adding new features or fixing any problems easy.

It is built for network computing as it provides optimized network stack and support for advanced network computing protocols that delivers high-performance networking to most applications.

 Solaris has advanced, unique security capabilities which includes some of the world's most advanced security features, such as user rights management, cryptographic Framework and secure by default networking that allows users to safely deliver new solutions.

 Provides tools to enable seamless interoperability, test new software and efficiently consolidate

application workloads.

<h3>Drawbacks:</h3>

- Solaris is quite expensive since it's an enterprise operating system. Also, Solaris doesn't provide updates for free.
- Solaris lacks a good graphical user interface support and is not user friendly.
- Hardware support is not nearly as good as many other operating systems.
- Performance would degrade considerably since Solaris cannot make use of different hardware that efficiently.
- Solaris sometimes becomes unstable and crashes due to total consumption of CPU and memory.

</body>

</html>

android.html

<html>

<head>

<title>Android</title>

</head>

<body bgcolor="#f7f7f7">

<h1 align="center">Android</h1>

<hr>

<hr>

<p align="center">

Android is a Google's Linux based operating system it is designed primarily for touch screen mobile devices such as smart phones and tablet computers. The hardware which can be used to support android is based on three architectures namely ARM, Intel and MIPS design lets users manipulate the mobile devices intuitively, with finger movements that mirror common motions, such as pinching, swiping, and tapping making these applications comfortable for the users.

</p>

<p align="center">

</p>

<h3>Features:</h3>

The android operating system is an open source operating system means that it's free and any one can use it.

Android offers optimized 2D and 3D graphics, multimedia, GSM connectivity, multi-tasking.

Android OS is known for its friendly user interface and exceptional customizable according to the user's taste.

 Huge choice of applications for its users since Playstore offer over one million apps.

Software developers who want to create applications for the Android OS can download the Android Software Development Kit(SDK) to easily develop apps for android.

Android would consume very little power but deliver extreme performance since its hardware is based on ARM architecture.

<h3>Drawbacks:</h3>

The design and coding of intuitive modern user experiences and interfaces poses a difficulty because of its dependency on Java.

Most apps tend to run in the background even when closed by the user draining the battery.

Performance is bound to take a hit as multiple programs run simultaneously in the background at any given time.

Android phones overheat especially when indulged in hardcore productivity tasks or heavy graphics.

Apps have lower security profiles and make users more susceptible to data breaches.

</body>

</html>

ios.html

<html>

<head>

<title>iOS</title>

</head>

<body bgcolor="#f7f7f7">

```
<h1 align="center">iOS</h1>
```

```
<hr>
```

```
<hr>
```

```
<p align="center">
```

iOS which is short for iPhone OS is a mobile operating system created and developed by Apple Inc . exclusively for its hardware like A12 Bionic chip that presently powers many of its mobile devices, including the iPhone, iPad, and iPod. The iOS user interface is based upon using multi-touch gestures such as swipe, tap, pinch, and reverse pinch. The purpose of these finger actions is to provide the user with fast responsive inputs given from multiple fingers to the multi-touch capacitive screen display.

```
</p>
```

```
<p align="center">
```

```

```

```
</p>
```

```
<h3>Features:</h3>
```

```
<ul>
```

```
<li>It is written in C, C++, Objective-C and Swift and is based on the Macintosh OS X.</li>
```

```
<li>Has excellent and intuitive user interface and very fluid response.</li>
```

```
<li>Performance of iOS is unbeatable.</li>
```

```
<li> iOS comes with a lot of default apps, including an email client, web browser, media player and the phone app. </li>
```

```
<li>Availability of higher quality apps which can be downloaded from the Appstore.</li>
```

```
<li>Apple has provided its own iOS software development kit (SDK) for the developers to create applications for Apple mobile devices.</li>
```

```
<li>iOS is much safer than other mobile operating systems and has fewer security breaches as well.</li>
```

```
<li>Provides regular updates and security patches.</li>
```

```
</ul>
```

```
<h3>Drawbacks:</h3>
```

```
<ul>
```

```
<li>The OS is closed source instead of open source hence beta testing taking a lot of time since its only available to limited developers. </li>
```

```
<li>The amount of memory space the iOS applications occupy is very large when compared with other mobile platforms.</li>
```

```
<li>Lack of customization compared to other operating systems.
```

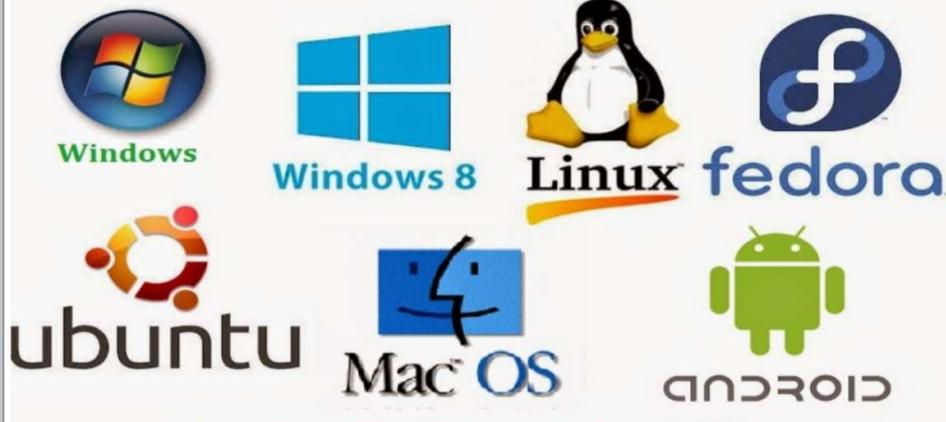
```
 Doesn't allow third party installations.</li>
```

```
<li>Having intense graphics and animations consumes more power and causes battery drain </li>
```

```
<li>iOS is resource intensive operating system due to which older devices struggle to run it.</li>
```


</body>
</html>

Output:

Operating Systems	
Different Operating System <hr/> 1. Windows Operating System 2. LINUX Operating System 3. Solaris Operating System 4. Android Mobile Operating System 5. iOS Mobile Operating System	 <p style="text-align: center;">OPERATING SYSTEMS</p>

Landing Page

Operating Systems	
Different Operating System <hr/> 1. Windows Operating System 2. LINUX Operating System 3. Solaris Operating System 4. Android Mobile Operating System 5. iOS Mobile Operating System	<h3>Windows</h3> <hr/> <p>Windows is an operating system designed by Microsoft to be used on a standard x86 Intel and AMD processors. It provides an interface, known as a graphical user interface(GUI) which eliminates the need to memorize commands for the command line by using a mouse to navigate through menus, dialog boxes, buttons, tabs, and icons. The operating system was named windows since the programs are displayed in the shape of a square. This Windows operating system has been designed for both novice user just using at home as well as for professionals who are into development.</p>  <p>Features:</p> <ul style="list-style-type: none"> • It is designed to run on any standard x86 Intel and AMD hence most of the hardware vendors make drivers for windows like Dell, HP, etc. • It supports enhanced performance by utilizing multi-core processors. • It comes preloaded with many productivity tools which helps to complete all types of everyday tasks on your computer. • Windows has a very large user base so there is a much larger selection of available software programs, utilities. • Windows is backward compatible meaning old programs can run on newer versions. • Hardware is automatically detected eliminating need of manually installing any device drivers. <p>Drawbacks:</p> <ul style="list-style-type: none"> • Windows can be expensive since the OS is paid license and majority of its applications are paid products. • Windows has high computer resource requirement like it should have high ram capacity, a lot of hard drive space and good graphics card. • Windows slows and hangs up if the user loads up many programs at the same time. • Windows includes network sharing that can be useful if user has a network with many PCs. • Windows is vulnerable to virus attacks since it has a huge user base and users have to update OS to keep up-to-date with security patches.

Windows Operating System

Operating Systems	
<p>Different Operating System</p> <hr/> <p>1. Windows Operating System 2. LINUX Operating System 3. Solaris Operating System 4. Android Mobile Operating System 5. IOS Mobile Operating System</p>	<p>Linux</p> <hr/> <p>The Linux OS is an open source operating system project that is a freely distributed, cross-platform operating system developed based on UNIX. This operating system is developed by Linus Torvalds. The name Linux comes from the Linux kernel. It is basically the system software on a computer that allows apps and users to perform some specific task on the computer. The development of Linux operating system pioneered the open source development and became the symbol of software collaboration.</p> <div style="text-align: center; margin-top: 10px;">  </div> <p>Features:</p> <ul style="list-style-type: none"> • Linux is free can be downloaded from the Internet or redistribute it under GNU licenses and has the best community support. • Linux OS is easily portable which means it can be installed on various types of devices like mobile, tablet computers. • It is a multi-user, multitasking operating system. • BASH is the Linux interpreter program which can be used to execute commands. • Linux provides multiple levels of file structures i.e. hierarchical structure in which all the files required by the system and those that are created by the user are arranged. • Linux provides user security using authentication features and also threat detection and solution is very fast because Linux is mainly community driven. <p>Drawbacks:</p> <ul style="list-style-type: none"> • There's no standard edition of Linux hence confusing for users and also becoming familiar with the Linux may be a problem for new users. • More difficult to find applications to support user needs since Linux does not dominate the market. • Since some applications are developed specifically for Windows and Mac, those might not be compatible with linux and sometimes users might not have much of a choice to choose between different applications like in Windows or Mac since most apps are developed for operating systems that have a huge user base. • Some hardware may not be incompatible with Linux since it has patchier support for drivers which may result in malfunction. • There are plenty of forums to resolve Linux issues, but it may not always match the user's own level of technical understanding.

Linux Operating System

Operating Systems	
<p>Different Operating System</p> <hr/> <p>1. Windows Operating System 2. LINUX Operating System 3. Solaris Operating System 4. Android Mobile Operating System 5. IOS Mobile Operating System</p>	<p>Solaris</p> <hr/> <p>Solaris or SunOS is the name of the Sun company's Unix variant operating system that was originally developed for its family of Scalable Processor Architecture-based processors (SPARC) as well as for Intel-based processors. The UNIX workstation market had been largely dominated by this operating system during its time. As the Internet grew Sun's Solaris systems became the most widely installed servers for Web sites. Oracle purchased Sun and later renamed to Oracle Solaris.</p> <div style="text-align: center; margin-top: 10px;">  </div> <p>Features:</p> <ul style="list-style-type: none"> • Solaris is known for its scalability. It can handle a large workload and still delivers indisputable performance advantages for database, Web, and Java technology-based services. • Solaris systems were known to their availability meaning that these operating systems hardly crashes at anytime and because of its internet networking oriented design and broad scope of features it makes the job of adding new features or fixing any problems easy. • It is built for network computing as it provides optimized network stack and support for advanced network computing protocols that delivers high-performance networking to most applications. • Solaris has advanced, unique security capabilities which includes some of the world's most advanced security features, such as user rights management, cryptographic Framework and secure by default networking that allows users to safely deliver new solutions. • Provides tools to enable seamless interoperability, test new software and efficiently consolidate application workloads. <p>Drawbacks:</p> <ul style="list-style-type: none"> • Solaris is quite expensive since it's an enterprise operating system. Also, Solaris doesn't provide updates for free. • Solaris lacks a good graphical user interface support and is not user friendly. • Hardware support is not nearly as good as many other operating systems. • Performance would degrade considerably since Solaris cannot make use of different hardware that efficiently. • Solaris sometimes becomes unstable and crashes due to total consumption of CPU and memory.

Solaris Operating System

Operating Systems

Different Operating System

1. [Windows Operating System](#)
2. [LINUX Operating System](#)
3. [Solaris Operating System](#)
4. [Android Mobile Operating System](#)
5. [iOS Mobile Operating System](#)

Android

Android is a Google's Linux based operating system it is designed primarily for touch screen mobile devices such as smart phones and tablet computers. The hardware which can be used to support android is based on three architectures namely ARM, Intel and MIPS design lets users manipulate the mobile devices intuitively, with finger movements that mirror common motions, such as pinching, swiping, and tapping making these applications comfortable for the users.



Features:

- The android operating system is an open source operating system means that it's free and any one can use it.
- Android offers optimized 2D and 3D graphics, multimedia, GSM connectivity, multi-tasking.
- Android OS is known for its friendly user interface and exceptional customizable according to the user's taste.
- Huge choice of applications for its users since Playstore offer over one million apps.
- Software developers who want to create applications for the Android OS can download the Android Software Development Kit(SDK) to easily develop apps for android.
- Android would consume very little power but deliver extreme performance since its hardware is based on ARM architecture.

Drawbacks:

- The design and coding of intuitive modern user experiences and interfaces poses a difficulty because of its dependency on Java.
- Most apps tend to run in the background even when closed by the user draining the battery.
- Performance is bound to take a hit as multiple programs run simultaneously in the background at any given time.
- Android phones overheat especially when indulged in hardcore productivity tasks or heavy graphics.
- Apps have lower security profiles and make users more susceptible to data breaches.

Android Operating System

Operating Systems

Different Operating System

1. [Windows Operating System](#)
2. [LINUX Operating System](#)
3. [Solaris Operating System](#)
4. [Android Mobile Operating System](#)
5. [iOS Mobile Operating System](#)

iOS

iOS which is short for iPhone OS is a mobile operating system created and developed by Apple Inc. exclusively for its hardware like A12 Bionic chip that presently powers many of its mobile devices, including the iPhone, iPad, and iPod. The iOS user interface is based upon using multi-touch gestures such as swipe, tap, pinch, and reverse pinch. The purpose of these finger actions is to provide the user with fast responsive inputs given from multiple fingers to the multi-touch capacitive screen display.



Features:

- It is written in C, C++, Objective-C and Swift and is based on the Macintosh OS X.
- Has excellent and intuitive user interface and very fluid response.
- Performance of iOS is unbeatable.
- iOS comes with a lot of default apps, including an email client, web browser, media player and the phone app.
- Availability of higher quality apps which can be downloaded from the Appstore.
- Apple has provided its own iOS software development kit (SDK) for the developers to create applications for Apple mobile devices.
- iOS is much safer than other mobile operating systems and has fewer security breaches as well.
- Provides regular updates and security patches.

Drawbacks:

- The OS is closed source instead of open source hence beta testing taking a lot of time since its only available to limited developers.
- The amount of memory space the iOS applications occupy is very large when compared with other mobile platforms.
- Lack of customization compared to other operating systems. Doesn't allow third party installations.
- Having intense graphics and animations consumes more power and causes battery drains.
- iOS is resource intensive operating system due to which older devices struggle to run it.

iOS Operating System

Practical - 15

Objective: Program to Prepare a web-page that contain all the control elements of form tag.

Description: 'Form elements' are the (usually interactive) controls whose values are submitted automatically with the http request that is initiated by clicking the "submit" button - even without javaScript. Most commonly this would be button , input , textarea and similar element types.

Source Code:

```
<html>

<head>
    <title>
        Registration Form
    </title>
</head>

<body bgcolor="#f7f7f7">
    <h1 align="center">Registration Form</h1>
    <hr>
    <hr>
    <br><br>
    <form>
        <label for="firstname">First name:</label>
        <input type="text" id="firstname" name="firstname">
        <br>
        <br>
        <label for="lastname">Last name:</label>
        <input type="text" id="lastname" name="lastname">
        <br>
        <br>
        <label for="Email">Email - Id: </label>
        <input type="email" id="email" name="Email">
        <br>
        <br>
        <label for="password">Password:</label>
```

```
<input type="password" id="password" name="password">
<br>
<br>
<label for="gander">Gender: </label>
<input type="radio" id="male" name="gender" checked value="male">
<label for="male">Male</label>
<input type="radio" id="female" name="gender" value="female">
<label for="female">Female</label>
<input type="radio" id="other" name="gender" value="other">
<label for="other">Other</label><br><br>
<label for="hobbies">Hobbies:</label><br> <br>
<input type="checkbox" id="checkbox" name="checkbox">Singing</input> <br>
<input type="checkbox" id="checkbox" name="checkbox">Dancing</input> <br>
<input type="checkbox" id="checkbox" name="checkbox">Book Reading</input> <br>
<input type="checkbox" id="checkbox" name="checkbox">Listening Music</input> <br>
<input type="checkbox" id="checkbox" name="checkbox">Listening Podcast</input> <br>
<input type="checkbox" id="checkbox" name="checkbox">Writing</input> <br><br><br><br>
<button type="submit">Submit</button>
<button type="reset">Reset</button>
<hr>
<hr>
</form>
</body>
</html>
```

Output:

Registration Form

First name:

Last name:

Email - Id:

Password:

Gender: Male Female Other

Hobbies:

Singing
 Dancing
 Book Reading
 Listening Music
 Listening Podcast
 Writing

Registration Form After Click Submit The Url Get The values

14Forms.html?firstname=Ritesh&lastname=Saini&Email=riteshsaini331%40gmail.com&password=

Like This
On Reset The All values are Clear

Practical - 16

Objective: Program to write something to a web-page using JavaScript: Lets write “Hello World” to a blank page using JavaScript.

Description: Javascript is used by programmers across the world to create dynamic and interactive web content like applications and browsers. JavaScript is so popular that it's the most used programming language in the world, used as a client-side programming language by 97.0% of all websites.

Source Code:

```
<html>
  <head>
    <title>JavaScript</title>
  </head>
  <body>
    <script language="javascript" type="text/javascript">
      document.write("Welcome To JavaScript Programming <br><br> Hello World")
    </script>
  </body>
</html>
```

Output:

Welcome to Javascript Programming

Hello world

Welocome To JavaScript

Practical - 17

Objective: Program to apply various CSS rules On a Web page.

Description: HTML (the Hypertext Markup Language) and CSS (**Cascading Style Sheets**) are two of the core technologies for building Web pages. HTML provides the structure of the page, CSS the (visual and aural) layout, for a variety of devices.

Source Code:

index.html

```

<html>
<head>
<title>CSS</title>
<style>
body {
    background-image: url(https://backgroundcheckall.com/wp-content/uploads/2017/12/professional-background-images-for-websites-design-11.jpg);
}
</style>
<link rel="stylesheet" href="16style.css">
</head>
<body>
<h1 align="center">
    Operating System
</h1>
<p id="border" align="center">
    LINUX Operating System
</p>
<p align="center" style="background-color: rgba(55, 15, 235, 0.493); font-size: 24px;">
    Linux Type
</p>
<ul>
    <li id="doted">
        <dl>

```

<dt>Red Hat Linux</dt>

<dd>The RedHat Linux operating system is one of the relatively old GNU / Linux, offering convenience, a fully graphical display mode starting at installation, and friendly usage.

</dd>

</dl>

<li id="dash">

<dl>

<dt>Debian Linux</dt>

<dd>TDebian is one type of various Linux operating systems that have been around for a long time since 1999 and continue to be developed regularly every year until now entering version 8.

</dd>

</dl>

<li id="grove">

<dl>

<dt> Ubuntu Linux</dt>

<dd>Ubuntu is a type of Linux operating system that is basically developed from Debian. The difference is that this Ubuntu operating system can be used not only on server computers and admin computers but also can and is suitable for use on personal or personal computers. The Ubuntu project itself is funded by Canonical Ltd (a company owned by Mark Shuttleworth).

</dd>

</dl>

<li id="double">

<dl>

<dt>Linux Mint</dt>

<dd>If Ubuntu was a development of Debian, Linux Mint is arguably the grandchild of Debian because it was developed on the basis of Ubuntu. The Linux Mint operating system was developed for the purpose of personal or personal use (PC) and is divided into 2 variants namely CINNAMON and MATE.

</dd>

</dl>


```

<br>
<li id="allborder">
    <dl>
        <dt>Fedora Linux</dt>
        <dd>Fedora (formerly called Fedora Core, sometimes also called Fedora Linux) is an RPM-based Linux distribution that is developed by the Fedora Project which is supported by the programming community and sponsored by Red Hat. The latest version is Fedora 24.
    </dd>
</dl>
</li>
</ul>
</body>
</html>

```

style.css

```

h1{
    color: aliceblue;
    background-color: rgba(221, 49, 49, 0.5) ;
    font-size: 64px;
}

#border{
    font-size: 36px;
    background-color: #00ffaa;
    border:4px solid rgb(71, 218, 255);
    color: aliceblue;
    background-color: rgba(00,00,00,0.5) ;
}

#doted{
    border-style: dotted;
    border-width: medium;
}

```

```
font-size: 36px;  
color: aliceblue;  
background-color: rgba(00,00,00,0.5) ;  
  
}  
  
#dash{  
    border-style: dashed;  
    border-width: medium;  
    font-size: 36px;  
    color: aliceblue;  
    background-color: rgba(00,00,00,0.5) ;  
}  
  
#grove  
{  
    border-style: groove;  
    border-width: medium;  
    font-size: 36px;  
    color: aliceblue;  
    background-color: rgba(00,00,00,0.5) ;  
}  
  
#double  
{  
    border-style:double;  
    border-width: medium;  
    font-size: 36px;  
    color: aliceblue;  
    background-color: rgba(00,00,00,0.5) ;  
}  
  
#allborder{  
    border-top-style: dashed;  
    border-left-style: dotted;  
    border-right-style: groove;
```

```
border-bottom-style: double;  
border-width: 4px;  
border-color: #00ffaa;  
color: aliceblue;  
background-color: rgba(00,00,00,0.5) ;  
font-size: 36px;  
}
```

Output:

The slide features a background image of a wooden pier extending into the ocean under a cloudy sky. Overlaid on the top is a red banner with the text 'Operating System'. Below it is a blue banner with 'LINUX Operating System'. A purple banner at the bottom has the text 'Linux Type'. The main content area contains five bullet points, each enclosed in a dashed border:

- Red Hat Linux
The RedHat Linux operating system is one of the relatively old GNU / Linux, offering convenience, a fully graphical display mode starting at installation, and friendly usage.
- Debian Linux
TDebian is one type of various Linux operating systems that have been around for a long time since 1999 and continue to be developed regularly every year until now entering version 8.
- Ubuntu Linux
Ubuntu is a type of Linux operating system that is basically developed from Debian. The difference is that this Ubuntu operating system can be used not only on server computers and admin computers but also can and is suitable for use on personal or personal computers. The Ubuntu project itself is funded by Canonical Ltd (a company owned by Mark Shuttleworth).
- Linux Mint
If Ubuntu was a development of Debian, Linux Mint is arguably the grandchild of Debian because it was developed on the basis of Ubuntu. The Linux Mint operating system was developed for the purpose of personal or personal use (PC) and is divided into 2 variants namely CINNAMON and MATE.
- Fedora Linux
Fedora (formerly called Fedora Core, sometimes also called Fedora Linux) is an RPM-based Linux distribution that is developed by the Fedora Project which is supported by the programming community and sponsored by Red Hat. The latest version is Fedora 24.

CSS Properties

Practical - 18

Objective: Program to to find the elements which present in both of the given array.

Description: Arrays are lists of any kind of data, including other arrays. Each item in the array has an index — a number — which can be used to retrieve an element from the array.

Source Code:

```

<html>
<head>
    <title>Common Element</title>
</head>
<body bgcolor="#f7f7f7">
    <h1 align="Center">Common Elements</h1>
    <hr>
    <hr>
    <h2>Array 1 : [58,69,78,15,26,3,6,48,25,48,9,6,36]</h2>
    <h2>Array 2 : [78,52,64,35,26,96,25,544,63,0]</h2>
    <h3 id="output">Common Element Are : </h3>
    <hr><hr>
    <script>
        function check(arra1, arra2) {
            document.getElementById("output").innerHTML+= " [ "
            for (var i = 0; i < arra1.length; i++) {
                for (var j = 0; j < arra2.length; j++) {
                    if (arra1[i] === arra2[j]) {
                        document.getElementById("output").innerHTML+=arra1[i] + ", "
                    }
                }
            }
            document.getElementById("output").innerHTML+= " ] "
        }
        check([58,69,78,15,26,3,6,48,25,48,9,6,36], [78,52,64,35,26,96,25,544,63,0])
    </script>
</body>
</html>
```

Output:

Common Elements

Array 1 : [58,69,78,15,26,3,6,48,25,48,9,6,36]

Array 2 : [78,52,64,35,26,96,25,544,63,0]

Common Element Are : [78 , 26 , 25 ,]

Common Elements of Array

Practical - 19

Objective: Write a JavaScript program to check whether all the digit in a given number are the same or not using function

Description: A function in JavaScript is similar to a procedure—a set of statements that performs a task or calculates a value, but for a procedure to qualify as a function, it should take some input and return an output where there is some obvious relationship between the input and the output.

Source Code:

```
<html>
<head>
    <title>Check whether all the digits in a given number are the same or not</title>
<style>
    #btn {
        background-color: blueviolet;
        color: white;
        width: 256px;
        height: 36px;
        border-radius: 15px;
        font-size: 18px;
    }

    #enternum {
        font-size: 24px;
        font-weight: 100;
    }

    #number {
        height: 36px;
        width: 256;
        border-radius: 24px;
    }
</style>
</head>
```

```
<body align="center" bgcolor="#f7f7f7">  
    <hr><hr>  
    <h1>Check All Digits Are Same Or Not</h1>  
    <hr><hr>  
    <br><br><br><br>  
    <label id="enternum">Enter Number: </label>  
    <input type="number" name="number" id="number">  
    <br><br>  
    <button id="btn" onclick="check()"> Check</button>  
    <h3 id="output"></h3>  
    <script>  
  
function check() {  
    var num = document.getElementById("number").value;  
    var first = num % 10;  
    var flag = -1;  
    while (num) {  
        if (num % 10 !== first) {  
            flag = 0;  
            break;  
        }  
        else {  
            flag = 1;  
        }  
        num = Math.floor(num / 10);  
    }  
    if (flag == 1) {  
        document.getElementById("output").innerHTML = "All Digits Are Same"  
    } else if (flag == 0) {  
        document.getElementById("output").innerHTML = "Digits Are Not Same"  
    }  
    else {  
        document.getElementById("output").innerHTML = "Please Enter A Number"  
    }  
}
```

}

```
</script>
</body>
</html>
```

Output:

Check All Digits Are Same Or Not

Enter Number:

Check

Please Enter A Number

When No Number is Entered

Check All Digits Are Same Or Not

Enter Number:

Check

All Digits Are Same

When Digits Are Same

Check All Digits Are Same Or Not

Enter Number:

Check

Digits Are Not Same

When Digits Are Not Same

Practical - 20

Objective: Program to set background color of a web page using CSS

Description: The background-color property sets the background color of an element. The background of an element is the total size of the element, including padding and border (but not the margin). Tip: Use a background color and a text color that makes the text easy to read.

Source Code:

```

<html>
<head>
    <title>Background Color</title>
    <style>
        body {
            background-color: #f7f7f7
        }

        h1 {
            text-align: center;
        }

        p {
            font-size: 18px;
        }
    </style>
</head>
<body>

    <h1>Background Color Change using CSS</h1>
    <hr>
    <hr>
    <h1>Definition and Usage</h1>
    <p>The background-
color property sets the background color of an element. The background of an element is the total size
of the element, including padding and border (but not the margin).
    Tip: Use a background color and a text color that makes the text easy to read.</p>

```

<p>Tip: Use a background color and a text color that makes the text easy to read.</p>

<h2>Example : </h2>

<pre>

```
body {  
    background-color: #fefbd8;  
}
```

```
h1 {  
    background-color: #80ced6;  
}
```

```
div {  
    background-color: #d5f4e6;  
}
```

```
span {  
    background-color: #f18973;  
}
```

</pre>

</body>

</html>

Output:

Background Color Change using CSS

Definition and Usage

The background-color property sets the background color of an element. The background of an element is the total size of the element, including padding and border (but not the margin). Tip: Use a background color and a text color that makes the text easy to read.

Tip: Use a background color and a text color that makes the text easy to read.

Example :

```
body {  
    background-color: #fefbd8;  
}  
  
h1 {  
    background-color: #80ced6;  
}  
  
div {  
    background-color: #d5f4e6;  
}  
  
span {  
    background-color: #f18973;  
}
```

Background Colour Using CSS

Practical - 21

Objective: Program to prepare a collage website (contain at least 5 web-page).

Description: Seth Jai Parkash Mukand Lal Institute of Knowledge and Service is a chain of twenty eight institutions spread over Haryana & U.P and owe their existence to the munificent and philanthropic spirit of Seth Mukand Lal, a close adherent of Gandhi Ji. He came under the Gandhian influence in earlier twenties. Gandhi ji had fondly nick – named him “Pagla Bhagat”. Seth Mukand Lal reportedly bore the entire expenditure incurred in the holding of All India Congress Sessions on the banks of river Ravi, Lahore in 1929 where resolution for complete independence of India was adopted. Illiterate himself, he vowed to dispel the darkness of ignorance by opening educational institutions in the part of the country. Hence, he established Mukand Lal National High School at Abdulapur (now Yamuna Nagar) as the first institution of the Mukand chain.

Source Code:

index.html

```

<html>

    <head>
        <title>JMIETI</title>
        <link rel="stylesheet" href="20style.css">
    </head>

    <body id="bg_image">
        <header>
            <a href="#">
            </a>
            <a href="#">
                <h1 id="collagename"> Jai Parkash Mukand Lal Innovative Engineering & Technology Institute
                </h1>
            </a>
            <nav id="navbar">
                <ol id="navitems">
                    <li class="navitem"><a href="#" class="navlinks activelink">Home</a> </li>
                    <li class="navitem"><a href="20facilities.html" class="navlinks">Centeral Facilities</a> </li>
                    <li class="navitem"><a href="20departments.html" class="navlinks">Departments</a> </li>
                    <li class="navitem"><a href="20Aboutus.html" class="navlinks">About Us</a> </li>
                </ol>
            </nav>
        </header>
    </body>

```

```

<li class="navitem"><a href="20Contactus.html" class="navlinks">Contact Us</a></li>
</ol>

</nav>
</header>

<div id="text_box">
  <h1 id="text_content">
    Excellence Through Creativity And Innovation
  </h1>
  <br>
  <br>
  <button id="register_btn" >
    <a href="20Register.html" style="color: black;">Register Now</a>
  </button>
</div>
<footer>
  <p>&copy; 2021 Mukand. All Rights Reserved. || director@jmieti.edu.in || 8295905203, 208</p>
</footer>
</body>
</html>

```

Register.html

```

<html>
<head>
  <title>JMIETI</title>
  <link rel="stylesheet" href="20style.css">
</head>
<body>
  <header>
    <a href="#">
      </a>
    <a href="#">

```

```
<h1 id="collagename"> Jai Parkash Mukand Lal Innovative Engineering & Technology Institute
</h1>
</a>
<nav id="navbar">
<ol id="navitems">
<li class="navitem"><a href="20index.html" class="navlinks">Home</a> </li>
<li class="navitem"><a href="20facilities.html" class="navlinks">Centeral Facilities</a> </li>
<li class="navitem"><a href="20departments.html" class="navlinks">Departments</a> </li>
<li class="navitem"><a href="20Aboutus.html" class="navlinks">About Us</a> </li>
<li class="navitem"><a href="20Contactus.html" class="navlinks">Contact Us</a> </li>
</ol>

</nav>
</header>
<div id="registration_form">
<h1 style="text-align: center; font-family: 'Times New Roman', Times, serif;">Regiteration Form</h1>
<hr>
<hr>
<br><br>
<form id="form">
<div class="form_items">
<label for="fname"><b>First Name:</b> </label>
<input type="text" name="fname" id="fname">
</div>
<br><br>
<div class="form_items">
<label for="lname"><b>Last Name :</b></label>
<input type="text" name="lname" id="lname">
</div>
<br><br>
<div class="form_items">
<label for="email"><b>E-mail Id:</b></label>
<input type="text" name="email" id="email">
</div>
```

```

<br><br>

<div class="form_items">
    <label for="number"> <b>Phone Number:</b> </label>
    <input type="text" name="number" id="number">
</div>

<br><br><br><br>

<div class="form_items">
    <button id="submit">
        <a href="20index.html" style="color: black;">Register Now</a>
    </button>
</div>

</form>

<br><br>
<hr><hr>
<br><br>

</div>

<footer>
    <p>&copy; 2021 Mukand. All Rights Reserved. || director@jmieti.edu.in || 8295905203, 208</p>
</footer>

</body>
</html>

```

facilities.html

```

<html>
<head>
    <title>JMIETI</title>
    <link rel="stylesheet" href="20style.css">
</head>
<body>
    <header>
        <a href="#">
    </a>
    <a href="#">

```

```
<h1 id="collagename"> Jai Parkash Mukand Lal Innovative Engineering & Technology Institute
</h1>
</a>
<nav id="navbar">
<ol id="navitems">
<li class="navitem"><a href="20index.html" class="navlinks">Home</a> </li>
<li class="navitem"><a href="#" class="navlinks activelink">Central Facilities</a> </li>
<li class="navitem"><a href="20departments.html" class="navlinks">Departments</a> </li>
<li class="navitem"><a href="20Aboutus.html" class="navlinks">About Us</a> </li>
<li class="navitem"><a href="20Contactus.html" class="navlinks">Contact Us</a> </li>
</ol>
</nav>
</header>
<div>
<h1 class="central_titel">Central Facilities</h1>
<div class="card">
<h2 class="card_titel">PHYSICAL INFRASTRUCTURE</h2>
<br>
<ul class="card_details">
<li>Institute has a well equipped Seminar Hall.</li>
<li>Institute has a 1500 seater Auditorium. </li>
<li>Institute has 1000 seater Amphitheatre.</li>
<li>Institute has digital classrooms with multimedia facility. </li>
<li>Institute has 150 KW solar power plant. </li>
</ul>
</div>
<div>
<div class="card">
<h2 class="card_titel">IT INFRASTRUCTURE</h2>
<ul class="card_details">
<li>Wi-Fi Campus with above 100mbps </li>
<li>MATLAB Lab</li>
<li>Tablets on issue basis</li>
<li>Cloud Computing Lab </li>
```

Mobile Apps Development Lab(Android and iOS)

Computer labs with latest configuration

</div>

<div class="card">

<h2 class="card_titel">DISPENSARY</h2>

<ul class="card_details">

College has an on-campus dispensary to facilitate students with first-aid and minor health issues.

There is a Doctor hired by college specially for this purpose who is available during college hours.

</div>

<div class="card">

<h2 class="card_titel">GYM </h2>

<ul class="card_details">

The campus are provided Gyms in boys common room of hostel.

We think a student must be highly skilled with proper health.

To make this requirement full-
fill gyms are maintained with proper ventilation Systems and well-equipped machines.

</div>

<div class="card">

<h2 class="card_titel">GAMES AND SPORTS FACILITIES

</h2>

<ul class="card_details">

Extensive and well laid out fields for sports and games are available on the campus for the students.

Badminton courts, Volleyball courts etc. facilities are available to the students.

Trained sports personnel help the students to develop their interest in games and coach them to acceptable standards

</div>

<div class="card">

<h2 class="card_titel">ENTERTAINMENT </h2>

```

<ul class="card_details">
    <li>The campus provided TV in Boys common room for their entertainment </li>
</ul>
</div>
<div class="card">
    <h2 class="card_titel">CANTEEN
    </h2>
    <ul class="card_details">
        <li>The facility of canteen is also provided in the college premises . </li>
        <li> The canteen is that part of the campus where students can relax with their friends and the canteen consists of a separate cabin of staff . </li>
        <li> The canteen provides the facility of healthy food and a friendly environment to make students comfortable in the campus.</li>
    </ul>
</div>
<div class="card">
    <h2 class="card_titel">BANK</h2>
    <ul class="card_details">
        <li>
            There is a branch of Oriental Bank of Commerce (OBC) with ATM near college campus. So if a student needs money he can get it any time. </li>
    </ul>
</div>
</div>
<footer>
    <p>&copy; 2021 Mukand. All Rights Reserved. || director@jmieti.edu.in || 8295905203, 208</p>
</footer>
</body>
</html>

```

departments.html

```

<html>
    <head>
        <title>JMIETI</title>
        <link rel="stylesheet" href="20style.css">

```

```

</head>

<body>
    <header>
        <a href="#">
        </a>
        <a href="#">
            <h1 id="collagename"> Jai Parkash Mukand Lal Innovative Engineering & Technology Institute
            </h1>
        </a>
        <nav id="navbar">
            <ol id="navitems">
                <li class="navitem"><a href="20index.html" class="navlinks">Home</a> </li>
                <li class="navitem"><a href="20facilities.html" class="navlinks">Central Facilities</a> </li>
                <li class="navitem"><a href="#" class="navlinks activelink">Departments</a> </li>
                <li class="navitem"><a href="20Aboutus.html" class="navlinks">About Us</a> </li>
                <li class="navitem"><a href="20Contactus.html" class="navlinks">Contact Us</a> </li>
            </ol>
        </nav>
    </header>
    <div>
        <h1 class="central_titel">Departments</h1>
        <div class="card">
            <h2 class="card_titel">Computer Science Engineering</h2>
            
            <ul class="card_details">
                <li>Computer science or computing science (sometimes abbreviated CS) is the study of the theoretical foundations of information and computation, and of practical techniques for their implementation and application in computer systems..</li>
                <li>It is frequently described as the systematic study of algorithmic processes that create, describe, and transform information.</li>
                <li>Computer science has many sub-fields; some, such as computer graphics, emphasize the computation of specific results, while others, such as computational complexity theory, study the properties of computational problems. Still others focus on the challenges in implementing computations.</li>
            </ul>
        </div>
    </div>

```

 For example, programming language theory studies approaches to describe computations , while computer programming applies specific programming languages to solve specific computational problems, and human-computer interaction focuses on the challenges in making computers and computations useful, usable, and universally accessible to people.

 The general public sometimes confuses computer science with careers that deal with computers (such as information technology), or think that it relates to their own experience of computers, which typically involves activities such as gaming, web-browsing, and word-processing.

 However, the focus of computer science is more on understanding the properties of the programs used to implement software such as games and web-browsers, and using that understanding to create new programs or improve existing ones.

</div>

<div>

<div class="card">

<h2 class="card_titel">Civil Engineering</h2>

<ul class="card_details">

Computer science or computing

Civil engineering is the broadest of the engineering fields.

 Civil engineering focuses on the infrastructure of the world which include Water works, Sewers, Dams, Power Plants, Transmission Towers/Lines, Railroads, Highways, Bridges, Tunnels, Irrigation Canals, River Navigation, Shipping Canals, Traffic Control, Mass Transit, Airport Runways, Terminals, Industrial Plant Buildings, Skyscrapers, etc.

 Among the important subdivisions of the field are construction engineering, irrigation engineering, transportation engineering, soils and foundation engineering, geodetic engineering, hydraulic engineering, and coastal and ocean

engineering.

</div>

<div class="card">

<h2 class="card_titel">Applied Science</h2>

<ul class="card_details">

Computer science or computing Department cover the subjects /areas of Applied Physics and Applied Chemistry

It has highly Qualified Faculty.

The Department has the following well-developed laboratories- Applied Physics and Applied Chemistry .

The equipment in the Applied Physics laboratories includes traveling microscopes, telescopes,spectrometer,sensitive galvanometer,cathoderay oscilloscope etc.

 The equipment in the Applied Chemistry laboratories includes conductivity bridge ,water analysis kit,equipment like electronic balance,viscometer,flash point apparatus etc are available.

Computer labs with latest configuration

</div>

</div>

<footer>

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</footer>

</body>

</html>

21Aboutus.html

<html>

<head>

<title>JMIETI</title>

<link rel="stylesheet" href="20style.css">

</head>

<body>

<header>

<h1 id="collagename"> Jai Parkash Mukand Lal Innovative Engineering & Technology Institute</h1>

<nav id="navbar">

<ol id="navitems">

```

<li class="navitem"><a href="20index.html" class="navlinks">Home</a> </li>
<li class="navitem"><a href="20facilities.html" class="navlinks">Central Facilities</a> </li>
<li class="navitem"><a href="20departments.html" class="navlinks">Departments</a> </li>
<li class="navitem"><a href="#" class="navlinks activelink">About Us</a> </li>
<li class="navitem"><a href="20Contactus.html" class="navlinks">Contact Us</a> </li>
</ol>
</nav>
</header>
<h1 class="central_titel">About JMIETI</h1>
<div class="card">
<div class="card_sub_titel">
<h1>VISION</h1>
<h2>"Excellence Through Creativity And Innovation"</h2>
</div>

<div class="card_sub_titel">
<h1>MISSION</h1>
<h2>"To Produce World Class Engineers, Managers And Technologies with training Head ,Heart and Hands Employable Anywhere in the world"</h2>
</div>
<p class="card_details">Jai Parkash Mukand Lal Innovative Engineering & Technology Institute was established in the year of 2012 and located at Chota Bans in Yamuna Nagar city of Haryana.
<br>
<br>
JMIETI is affiliated to Kurukshetra University and approved by All India Council for Technical Education (AICTE).
<br>
<br>
JMIETI is an institute dedicated to effectively develop highly professional individuals in the field of Engineering & Technology.
<br>
<br>
Jai Parkash Mukand Lal Innovative Engineering & Technology Institute offers an undergraduate program like Bachelor of Technology in 3 different streams at UG level.
</p>
</div>

```

```

<footer>
    <p>&copy; 2021 Mukand. All Rights Reserved. || director@jmieti.edu.in || 8295905203, 208</p>
</footer>
</body>

</html>

```

21Contactus.html

```

<html>

<head>
    <title>JMIETI</title>
    <link rel="stylesheet" href="20style.css">
</head>

<body>
    <header>
        <a href="#">
        </a>
        <a href="#">
            <h1 id="collagename"> Jai Parkash Mukand Lal Innovative Engineering & Technology Institute
            </h1>
        </a>
        <nav id="navbar">
            <ol id="navitems">
                <li class="navitem"><a href="20index.html" class="navlinks">Home</a> </li>
                <li class="navitem"><a href="20facilities.html" class="navlinks">Centeral Facilities</a> </li>
                <li class="navitem"><a href="20departments.html" class="navlinks">Departments</a> </li>
                <li class="navitem"><a href="20Aboutus.html" class="navlinks">About Us</a> </li>
                <li class="navitem"><a href="#" class="navlinks activelink">Contact Us</a> </li>
            </ol>
        </nav>
    </header>

```

```

<div>
  <h1 class="central_titel">Contact US</h1>
  <div class="card">
    <div class="contact" style="margin-left: 5px; font-size: 18px;">
      <p>For any type of information about admission etc. Please contact given below
        address or phone numbers. And for online information please click on the E-
        Mail link given below and send a mail.</p>

      <p><strong>Address :</strong> &ampnbsp &ampnbsp Chota Bans, Radaur-
        135133 (Distt. Yamuna Nagar) Haryana</p>
      <p><strong>E-Mail :</strong> &ampnbsp &ampnbsp&ampnbsp&ampnbsp&ampnbsp hrdjmieti@gmail.com,
        director@jmieti.edu.in<br>
      <strong>Phone : &nbsp;&nbsp;&nbsp;&nbsp; &nbsp;</strong>8295905203, 8295905208<br>
      <strong>Website :</strong>&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp&a
        href="https://www.jmieti.edu.in">www.jmieti.edu.in</a>
      </p>
      <br><br>
      <h1 class="card_titel">Query Form</h1>
      <br><br>
      <form id="form">
        <div class="form_items">
          <label for="fname"><b>First Name:</b></label>
          <input type="text" name="fname" id="fname">
        </div>
        <br><br>
        <div class="form_items">
          <label for="lname"><b>Last Name :</b></label>
          <input type="text" name="lname" id="lname">
        </div>
        <br><br>
        <div class="form_items">
          <label for="email"><b>E-mail Id :</b></label>
          <input type="text" name="email" id="email">
        </div>
        <br>
      </form>
    </div>
  </div>

```

```

<br>
<div class="form_items">
    <label for="subject"> <b>Subject : </b> </label>
    <input type="text" name="subject" id="subject">
</div>

<br><br>
<div class="form_items">
    <label for="msg"> <b>Query : </b> </label>
    <textarea cols="40" rows="10" name="msg" id="msg">
        </textarea>
</div><br><br>
<div class="form_items">
    <button id="submit">
        <a href="20index.html" style="color: black;">Submit</a>
    </button>
</div>
</form>
</div>
</div>
<footer>
    <p>&copy; 2021 Mukand. All Rights Reserved. || director@jmieti.edu.in || 8295905203, 208</p>
</footer>
</body>

</html>

```

21style.css

```

body {
    width: 100%;

```

```
display: inline;  
}  
  
a {  
text-decoration: none;  
}  
  
header {  
width: 100%;  
align-items: center;  
background-color: honeydew;  
}  
  
#logo {  
margin: 12px;  
width: 150px;  
}  
  
#collagename {  
display: inline;  
color: #184bab;  
float: right;  
text-align: center;  
width: 85%;  
font-family: "Times New Roman", Times, serif;  
}  
  
#navbar {  
background-color: black;  
color: white;  
padding: 6px;}  
  
#navitems {  
margin-left: 96px;
```

```
list-style: none;  
font-size: 16px;  
font-family: "Times New Roman", Times, serif;  
}
```

```
.navitem {  
display: inline;  
font-size: 18px;  
margin-left: 24px;  
margin-right: 24px;  
}
```

```
.navlinks {  
text-decoration: none;  
color: white;  
padding: 12px 52px;  
border-radius: 36px;  
}
```

```
.navitem :hover {  
background-color: white;  
color: black;  
}
```

```
.activelink {  
background-color: white;  
color: black;  
}
```

```
#bg_image {  
background-image: url("collage_front.png");  
background-repeat: no-repeat;
```

```
background-size: cover;  
}  
  
  
#text_box {  
margin: 180px 256px;  
background-color: rgba(0, 0, 0, 0.527);  
color: white;  
padding: 50px;  
border-radius: 25px;  
text-align: center;  
font-size: 18px;  
}  
  
  
#text_content {  
display: contents;  
}  
  
  
#register_btn {  
background-color: white;  
color: black;  
height: 48px;  
width: 256px;  
font-size: 24px;  
border-radius: 24px;  
font-family: "Times New Roman", Times, serif;  
}  
  
  
footer {  
background-color: black;  
color: white;  
align-self: baseline;  
height: 48px;  
text-align: center;  
padding: 6px;
```

```
}
```

```
#registration_form {  
    border-radius: 25px;  
    border: #020a1abb solid 4px;  
    margin: 56px 226px;  
    background-color: rgba(0, 0, 0, 0.438);  
    background-image: url("collage_front.png");  
    background-size: cover;  
    color: white;  
}
```

```
label {  
    font-size: 20px;  
    float: left;  
    background-color: white;  
    color: black;  
    padding: 12px;  
    width: 220px;  
    text-align: center;  
    font-size: 24px;  
    border-radius: 24px;  
    font-family: "Times New Roman", Times, serif;  
}
```

```
#form {  
    margin: 12px 96px;  
}
```

```
input {  
    border-radius: 12px;
```

```
width: 512px;  
height: 48px;  
float: right;  
}  
.form_items {  
display: inline-block;  
width: 100%;  
}  
  
#submit {  
background-color: white;  
color: black;  
height: 48px;  
width: 256px;  
font-size: 24px;  
border-radius: 24px;  
font-family: "Times New Roman", Times, serif;  
margin-left: 256px;  
}  
  
.central_titel {  
margin: 24px 256px;  
padding: 12px;  
background-color: black;  
color: white;  
font-size: 24px;  
border-radius: 24px;  
font-family: "Times New Roman", Times, serif;  
text-align: center;  
opacity: 0.6;  
}  
  
.card {  
margin: 24px 224px;
```

```
padding: 24px;  
border: black solid 6px;  
border-radius: 24px;  
}  
  
.card_titel {  
background-color: black;  
opacity: 0.6;  
color: white;  
padding: 12px;  
margin: 6px 196px;  
font-size: 24px;  
border-radius: 24px;  
font-family: "Times New Roman", Times, serif;  
text-align: center;  
}  
  
.card_details {  
margin-left: 12px;  
font-size: 24px;  
font-family: "Times New Roman", Times, serif;  
}  
  
.card_image {  
align-items: center;  
margin: 24px 120px;  
height: 360px;  
width: 720px;  
border-radius: 50px;  
}  
  
.card_sub_titel {  
background-color: black;
```

```
    opacity: 0.6;  
    color: white;  
    padding: 6px;  
    margin: 6px 48px;  
    border-radius: 24px;  
    font-family: "Times New Roman", Times, serif;  
    text-align: center;  
}  
  
#msg {  
    border-radius: 12px;  
    width: 512px;  
    float: right;  
    border: black solid 2px;  
}
```

Output:



Jai Parkash Mukand Lal Innovative Engineering & Technology Institute

Home

Central Facilities

Departments

About Us

Contact Us

Excellence Through Creativity And Innovation

Register Now

© 2021 Mukand. All Rights Reserved. || director@jmieti.edu.in || 8295905203, 208

Home Page



Jai Parkash Mukand Lal Innovative Engineering & Technology Institute

Home

Central Facilities

Departments

About Us

Contact Us

Registration Form

First Name:

Ritesh

Last Name :

Saini

E-mail Id:

riteshsaini331@gmail.com

Phone Number:

111111111111

Register Now

© 2021 Mukand. All Rights Reserved. || director@jmieti.edu.in || 8295905203, 208

Registration Page



Jai Parkash Mukand Lal Innovative Engineering & Technology Institute

Home

Central Facilities

Departments

About Us

Contact Us

Central Facilities

PHYSICAL INFRASTRUCTURE

- Institute has a well equipped Seminar Hall.
- Institute has a 1500 seater Auditorium.
- Institute has 1000 seater Amphitheatre.
- Institute has digital classrooms with multimedia facility.
- Institute has 150 KW solar power plant.

IT INFRASTRUCTURE

- Wi-Fi Campus with above 100mbps
- MATLAB Lab
- Tablets on issue basis
- Cloud Computing Lab
- Mobile Apps Development Lab(Android and iOS)
- Computer labs with latest configuration

DISPENSARY

- College has an on-campus dispensary to facilitate students with first-aid and minor health issues.
- There is a Doctor hired by college specially for this purpose who is available during college hours.

GYM

- The campus are provided Gyms in boys common room of hostel.
- We think a student must be highly skilled with proper health.
- To make this requirement full-fill gyms are maintained with proper ventilation Systems and well-equipped machines.

Central Facilities

DISPENSARY

- College has an on-campus dispensary to facilitate students with first-aid and minor health issues.
- There is a Doctor hired by college specially for this purpose who is available during college hours.

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- The campus are provided Gyms in boys common room of hostel.
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- To make this requirement full-fill gyms are maintained with proper ventilation Systems and well-equipped machines.

GAMES AND SPORTS FACILITIES

- Extensive and well laid out fields for sports and games are available on the campus for the students.
- Badminton courts, Volleyball courts etc. facilities are available to the students.
- Trained sports personnel help the students to develop their interest in games and coach them to acceptable standards

ENTERTAINMENT

- The campus provided TV in Boys common room for their entertainment

CANTEEN

- The facility of canteen is also provided in the college premises .
- The canteen is that part of the campuswhere students can relax with their friends and the canteen consists of a seperate cabin of staff .
- Thecanteen provides the facility of healthy food and a friendly environment to make students comfortable in the campus.

BANK

- There is a branch of Oriental Bank of Commerce (OBC) with ATM near college campus. So if a student needs money he can get it any time.

Departments**Computer Science Engineering**

- Computer science or computing science (sometimes abbreviated CS) is the study of the theoretical foundations of information and computation, and of practical techniques for their implementation and application in computer systems..
- It is frequently described as the systematic study of algorithmic processes that create, describe, and transform information.
- Computer science has many sub-fields; some, such as computer graphics, emphasize the computation of specific results, while others, such as computational complexity theory, study the properties of computational problems. Still others focus on the challenges in implementing computations.
- For example, programming language theory studies approaches to describe computations, while computer programming applies specific programming languages to solve specific computational problems, and human-computer interaction focuses on the challenges in making computers and computations useful, usable, and universally accessible to people.
- The general public sometimes confuses computer science with careers that deal with computers (such as information technology), or think that it relates to their own experience of computers, which typically involves activities such as gaming, web-browsing, and word-processing.
- However, the focus of computer science is more on understanding the properties of the programs used to implement software such as games and web-browsers, and using that understanding to create new programs or improve existing ones.

Civil Engineering**Departments**

Civil Engineering



- Computer science or computing Civil engineering is the broadest of the engineering fields.
- Civil engineering focuses on the infrastructure of the world which include Water works, Sewers, Dams, Power Plants, Transmission Towers/Lines, Railroads, Highways, Bridges, Tunnels, Irrigation Canals, River Navigation, Shipping Canals, Traffic Control, Mass Transit, Airport Runways, Terminals, Industrial Plant Buildings, Skyscrapers, etc.
- Among the important subdivisions of the field are construction engineering, irrigation engineering, transportation engineering, soils and foundation engineering, geodetic engineering, hydraulic engineering, and coastal and ocean engineering.

Applied Science



- Computer science or computing Department cover the subjects /areas of Applied Physics and Applied Chemistry
- It has highly Qualified Faculty.
- The Department has the following well-developed laboratories- Applied Physics and Applied Chemistry .
- The equipment in the Applied Physics laboratories includes traveling microscopes, telescopes,spectrometer,sensitive galvanometer,cathoderay oscilloscope etc.
- The equipment in the Applied Chemistry laboratories includes conductivity bridge ,water analysis kit,equipment like electronic balance,viscometer,flash point apparatus etc are available.
- Computer labs with latest configuration



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About JMIETI

VISION

"Excellence Through Creativity And Innovation"



MISSION

"To Produce World Class Engineers, Managers And Technologies with training Head ,Heart and Hands Employable Anywhere in the world"

Jai Parkash Mukand Lal Innovative Engineering & Technology Institute was established in the year of 2012 and located at Chota Bans in Yamuna Nagar city of Haryana.

JMIETI is affiliated to Kurukshetra University and approved by All India Council for Technical Education (AICTE).

JMIETI is an institute dedicated to effectively develop highly professional individuals in the field of Engineering & Technology.

Jai Parkash Mukand Lal Innovative Engineering & Technology Institute offers an undergraduate program like Bachelor of Technology in 3 different streams at UG level.

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For any type of information about admission etc. Please contact given below address or phone numbers. And for online information please click on the E-Mail link given below and send a mail.

Address : Chota Bans, Radaur-135133 (Distt. Yamuna Nagar) Haryana

E-Mail : hrdjmieti@gmail.com, director@jmieti.edu.in

Phone : 8295905203, 8295905208

Website : www.jmieti.edu.in

Query Form

First Name:

Ritesh

Last Name :

Saini

E-mail Id :

riteshsaini331@gmail.com

Subject :

Test

Query :

Testing

Submit

Contact Us

PRACTICAL-5

Objective: Create a document that uses multiple
 and <P> tags, and put returns between <PRE> tags to add blank lines to your document see if your browsers senders them differently.

Description: The Line Break element. The
 HTML element produces a line break in text (carriage-return). It is useful for writing a poem or an address, where the division of lines is significant.
Tag omission

Permitted content

Implicit ARIA role

Permitted parents

The Paragraph element. The <p> HTML element represents a paragraph. Paragraphs are usually represented in visual media as blocks of text separated from adjacent blocks by blank lines and/or first-line indentation, but HTML paragraphs can be any structural grouping of related content, such as images or form fields.

The Preformatted Text element. The <pre> HTML element represents preformatted text which is to be presented exactly as written in the HTML file. The text is typically rendered using a non-proportional, or monospaced, font. Whitespace inside this element is displayed as written.

Source Code:

```
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body>
    <center><h1>Business Letter Format</h1></center><hr size="2" noshade="" width="40%">
    <p>
        Company, Inc.<br>
        123 Alphabet Drive<br>
        Los Angeles, California 90002<br><br>
        15 October 2016
    </p>
    <p>
        Mr. John Doe<br>
        Customer Service Representative<br>
        Widgets Galore, Inc.<br>
        987 Widget Street<br>
    </p>
</body>
</html>
```

Miami, Florida 33111

</p>

<p>Dear Mr. Doe: </p>

<p>

I am writing you concerning a recent purchase of widgets. Approximately two weeks ago, on October 1, I ordered a total of 50 widgets for Company, Inc. via the Widgets Galore client webpage. I received an email notification two days later confirming the receipt of payment and the shipment of the widgets. According to your website, shipments should reach their destination within 3-5 business days of being sent, but I have yet to receive the widgets. Do you have any information on what may have happened to delay the shipment or where the shipment is currently?

<pre></pre>

I have worked with Widgets Galore, Inc. in the past and have the greatest confidence in your products and customer service. We need the shipment of widgets soon, however, and I hoped you might be able to provide me with an idea of when I can expect them. Thank you in advance for any help you might be able to offer.

</p>

<p>Sincerely,</p>

<p>

Sam Brown

Vice President of Company, Inc.

555-555-5555

s.brown@companyinc.com

</p>

</body>

</html>

OUTPUT:

Business Letter Format

Company, Inc.
123 Alphabet Drive
Los Angeles, California 90002

15 October 2016

Mr. John Doe
Customer Service Representative
Widgets Galore, Inc.
987 Widget Street
Miami, Florida 33111

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Sincerely,

Sam Brown
Vice President of Company, Inc.
555-555-5555
s.brown@companyinc.com