Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55) **Section-A**
Subject- Web Development **Subcode-PBC 501**

Problem Statement 1: Design a web page to create your own CV using various text formatting tag of html

CODE

```
<html>
<head>
<title>My Resume</title></head>
        <body>
                <img src="D:\passport size\gurpreet.jpeg" align="left" width="100" height="110">
                <dl>
                <dt><font size="+1"><b>Gurpreet Kaur Jassal</b></font></dt>
                  <dt>305/5 Patel Nagar,</dt>
                  <dt>Dehradun-248001, Uttarakhand, India</dt>
                  <dt><b>Email id   :</b> gurpreetkaurjassal@icloud.com</dt>
                  <dt><b>Phone No   :</b> +917017660739</dt>
                  <dt>https://www.linkedin.com/in/gurpreetjassal31/</dt>
                </dl>
<hr>
<ul>
        <li>A final year student pursing Bachleor of Computer Applications program.</li>
        <li>Looking forward to secure work with an organization that offers a reliable positive climate to
        learn and actualize new skills for the improvement of the association.</li>
        <li>An opportunity grabber with growth-oriented mindset.</li>
        <li>Have good understanding of OOP concepts.</li>
        <li>Enthusiastic about developing apps on Android Studio.</li>
        <li>Love doing intricate mandalas, playing Badminton, listening music, travelling and a lots of other
        things!.</li>
</ul>

<h3>ACADEMIC QUALIFICATION</h3>
<table align="center" border="1" valign="middle" cellpadding="10" cellspacing="10" >
        <tr><th>Name of Program</th><th>Institute</th><th>Board/University</th><th>Year of
        Passing</th><th>Percentage</th></tr>
        <tr align="middle"><td>BCA</td><td>Graphic Era Hill University, Dehradun</td><td>Graphic
        Era Univeristy</td><td>Expected 2023</td><td>86%</td></tr>
        <tr align="middle"><td>Intermediate</td><td>Sandal Wood School,
        Uttarakhand</td><td>ISC</td><td>2020</td><td>87.8%</td></tr>
        <tr align="middle"><td>High School</td><td>Sandal Wood School,
        Uttarakhand</td><td>ICSE</td><td>2018</td><td>89.6%</td></tr>
</table>

<h3>TECHNICAL SKILLS</h3>
        <ul>
                <li>Core Java</li>
                <li>DBMS(Database Management System),SQL</li>
                <li>Microsoft Office(MS Word, MS Excel, PowerPoint, etc)</li>
                <li>Basic knowledge of Tally</li>
        </ul>
```

```
<h3>PERSONAL SKILLS</h3>
	<ul>
		<li>Proven leadership skills and ability to motivate</li>
		<li>Highly organized and efficient</li>
		<li>Ability to work independently or as a part of team</li>
		<li>Keen to learn new things</li>
	</ul>

<h3>ACHIEVEMENTS AND OTHER ACTIVITIES</h3>
	<ul>
		<li>Patent on 'An Application to help Local Businesses and Dealers'</li>
		<li>Annual Topper's Award-2021,Achiever's Award 2021</li>
	</ul>

<h3>CERTIFICATIONS</h3>
	<ul>
		<li><b>COURSERA:</b> Java for Android</li>
		<li><b>COURSERA:</b> Android App Components - Intents, Activities, and Broadcast
		Receivers</li>
	</ul>

<h3>PERSONAL DETAILS</h3>
	<ul>
		<li>Father's Name: Baldev Singh Jassal</li>
		<li>Date of Birth: 31 May 2002</li>
		<li>Gender	: Female</li>
		<li>Languages	: Hindi, English and Punjabi</li>
	</ul>
</body>
</html>
```

Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55) **Section-A**
Subject- Web Development **Subcode-PBC 501**

OUTPUT

Gurpreet Kaur Jassal
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Dehradun-248001, Uttarakhand, India
Email id : gurpreetkaurjassal@icloud.com
Phone No : +917017660739
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ACHIEVEMENTS AND OTHER ACTIVITIES

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CERTIFICATIONS

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- **COURSERA:** Android App Components - Intents, Activities, and Broadcast Receivers

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- Gender : Female
- Languages : Hindi, English and Punjabi

Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55) **Section-A**
Subject- Web Development **Subcode-PBC 501**

Problem Statement 2: Design a web page to create time table using various text formatting tag of html

CODE

```
<html>
<head>
<title>Time Table</title></head>
        <body>
                <h1>COURSE: BCA 5</h1>
<hr>
<table align="center" border="1" valign="middle" cellpadding="10" cellspacing="10" >
        <tr><th>DAYS</th><th>8:00-8:55</th> <th>8:55-9:50</th> <th>10:10-11:05</th> <th>11:05-
        12:00</th> <th>12:00-12:55</th> <th>12:55-1:50</th> <th>2:10-3:05</th> <th>3:05-4:00</th>
        <th>4:00-4:55</th> <th>4:55-5:50</th> </tr>

        <tr align="middle"><td>MON</td> <td></td> <td></td> <td></td> <td></td> <td>TBC 506</td>
        <td></td> <td>TBC 505</td> <td>TBC 503</td> <td></td> <td></td> </tr>

        <tr align="middle"><td>TUE</td> <td colspan="2">PBC 501</td> <td>TBC 501</td> <td>TBC
        506</td> <td>TBC 505</td> <td></td> <td>XBI 501</td> <td></td> <td></td> <td></td> </tr>

        <tr align="middle"><td>WED</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>TBC
        503</td> <td>TBC 501</td> <td>TBC 502</td> <td></td> <td></td> </tr>

        <tr align="middle"><td>THU</td> <td></td> <td></td> <td></td> <td></td> <td>TBC 502</td>
        <td></td> <td>TBC 501</td> <td>TBC 505</td> <td></td> <td></td> </tr>

        <tr align="middle"><td>FRI</td> <td>TBC 503</td> <td>TBC 506</td> <td></td> <td></td> <td
        colspan="2">PBC 502</td> <td>XBC 501</td> <td>TBC 505</td> <td></td> <td></td> </tr>

        <tr align="middle"><td>SAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>
        <td></td> <td></td> <td></td> <td></td> <td></td> </tr>

        <tr><th colspan="2">CODE</th> <th colspan="4">SUBJECTS</th> <th
        colspan="3">FACULTY</th> <th colspan="2">L T P C</th> </tr>

        <tr align="middle"><td colspan="2">TBC 501</td> <td colspan="4">Web Development</td> <td
        colspan="3">MS. DEEPTI NEGI</td> <td colspan="2">3003</td> </tr>

        <tr align="middle"><td colspan="2">TBC 502</td> <td colspan="4">Mobile Application
        Development</td> <td colspan="3">MS. PRIYA KOHLI</td> <td colspan="2">3003</td> </tr>

        <tr align="middle"><td colspan="2">TBC 503</td> <td colspan="4">Cryptography</td> <td
        colspan="3">MS. NIDHI JOSHI</td> <td colspan="2">3104</td> </tr>

        <tr align="middle"><td colspan="2">TBC 504</td> <td colspan="4">Software Engineering</td>
        <td colspan="3">ONLINE</td> <td colspan="2">3003</td> </tr>
```

```
        <tr align="middle"><td colspan="2">TBC 505</td> <td colspan="4">Internet of things</td> <td
        colspan="3">MR. ADITYA HARBOLA</td> <td colspan="2">3003</td> </tr>
        <tr align="middle"><td colspan="2">TBC 506</td> <td colspan="4">Financial Accounting</td>
        <td colspan="3">DR. MEGHA</td> <td colspan="2">3003</td> </tr>

        <tr align="middle"><td colspan="2">XBI 501</td> <td colspan="4">Career Skills-III</td> <td
        colspan="3">MS. SULEKHA</td> <td colspan="2">2002</td> </tr>

        <tr align="middle"><td colspan="2">PBC 501</td> <td colspan="4">Web Development & Internet
        of Things</td> <td colspan="3">MS. DEEPTI NEGI, MR. ADITYA HARBOLA</td> <td
        colspan="2">0042</td> </tr>

        <tr align="middle"><td colspan="2">PBC 502</td> <td colspan="4">Mobile Application
        Development</td> <td colspan="3">MS. PRIYA KOHLI</td> <td colspan="2">0042</td> </tr>

        <tr align="middle"><td colspan="2">SBC 501</td> <td colspan="4">MOOC based seminar</td>
        <td colspan="3">MS. PRIYA KOHLI</td> <td colspan="2">0001</td> </tr>

        <tr align="middle"><td colspan="2">GP 501</td> <td colspan="4">General Proficiency</td> <td
        colspan="3">MS. PRIYA KOHLI</td> <td colspan="2"></td> </tr>
            </table>
        </body>
</html>
```

Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55)
Subject- Web Development

Section-A
Subcode-PBC 501

OUTPUT

COURSE: BCA 5

DAYS	8:00-8:55	8:55-9:50	10:10-11:05	11:05-12:00	12:00-12:55	12:55-1:50	2:10-3:05	3:05-4:00	4:00-4:55	4:55-5:50
MON					TBC 506		TBC 505	TBC 503		
TUE	PBC 501		TBC 501	TBC 506	TBC 505		XBI 501			
WED						TBC 503	TBC 501	TBC 502		
THU					TBC 502		TBC 501	TBC 505		
FRI	TBC 503	TBC 506			PBC 502		XBC 501	TBC 505		
SAT										

CODE	SUBJECTS	FACULTY	L T P C
TBC 501	Web Development	MS. DEEPTI NEGI	3003
TBC 502	Mobile Application Development	MS. PRIYA KOHLI	3003
TBC 503	Cryptography	MS. NIDHI JOSHI	3104
TBC 504	Software Engineering	ONLINE	3003
TBC 505	Internet of things	MR. ADITYA HARBOLA	3003
TBC 506	Financial Accounting	DR. MEGHA	3003
XBI 501	Career Skills-III	MS. SULEKHA	2002
PBC 501	Web Development & Internet of Things	MS. DEEPTI NEGI, MR. ADITYA HARBOLA	0042
PBC 502	Mobile Application Development	MS. PRIYA KOHLI	0042
SBC 501	MOOC based seminar	MS. PRIYA KOHLI	0001
GP 501	General Proficiency	MS. PRIYA KOHLI	

Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55) **Section-A**
Subject- Web Development **Subcode-PBC 501**

Problem Statement 3: Design a web page to implement internal hyperlinking

CODE

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<h3>
        <a href="#lession1">What is Computer?</a><br />
        <a href="#lession2">Register Memory</a><br />
        <a href="#lession3">Internet</a><br />
        <a href="#lession4">Intranet</a><br />
  <br /></h3>

  <a id="lession1"><h2>What is Computer?</h2></a>
  <p>A computer is a programmable electronic device that accepts raw data as input and processes it with a set of instructions (a program) to produce the result as output. It renders output just after performing mathematical and logical operations and can save the output for future use. It can process numerical as well as non-numerical calculations. The term "computer" is derived from the Latin word "computare" which means to calculate.</p>

  <p>A computer is designed to execute applications and provides a variety of solutions through integrated hardware and software components. It works with the help of programs and represents the decimal numbers through a string of binary digits. It also has a memory that stores the data, programs, and result of processing. The components of a computer such as machinery that includes wires, transistors, circuits, hard disk are called hardware. Whereas, the programs and data are called software.</p>

  <p>It is believed that the Analytical Engine was the first computer which was invented by Charles Babbage in 1837. It used punch cards as read-only memory. Charles Babbage is also known as the father of the computer.</p>

<p><strong>The basic parts without which a computer cannot work are as follows:</strong>
    <ul>
        <li>Processor: It executes instructions from software and hardware.</li>
        <li>Memory: It is the primary memory for data transfer between the CPU and storage.</li>
        <li>Motherboard: It is the part that connects all other parts or components of a computer.</li>
        <li>Storage Device: It permanently stores the data, e.g., hard drive.</li>
        <li>Input Device: It allows you to communicate with the computer or to input data, e.g., a
        keyboard.</li>
        <li>Output Device: It enables you to see the output, e.g., monitor</li>
    </ul></p>
  <br />
  <br />


  <div id="lession2"><h2>Register Memory</h2></div>
```

Register memory is the smallest and fastest memory in a computer. It is not a part of the main memory and is located in the CPU in the form of registers, which are the smallest data holding elements. A register temporarily holds frequently used data, instructions, and memory address that are to be used by CPU. They hold instructions that are currently processed by the CPU. All data is required to pass through registers before it can be processed. So, they are used by CPU to process the data entered by the users.

Registers hold a small amount of data around 32 bits to 64 bits. The speed of a CPU depends on the number and size (no. of bits) of registers that are built into the CPU. Registers can be of different types based on their uses. Some of the widely used Registers include Accumulator or AC, Data Register or DR, the Address Register or AR, Program Counter (PC), I/O Address Register, and more.

Types and Functions of Computer Registers:

<ul>
<li>Data Register: It is a 16-bit register, which is used to store operands (variables) to be operated by the processor. It temporarily stores data, which is being transmitted to or received from a peripheral device.</li>

<li>Program Counter (PC): It holds the address of the memory location of the next instruction, which is to be fetched after the current instruction is completed. So, it is used to maintain the path of execution of the different programs and thus executes the programs one by one, when the previous instruction gets completed.</li>

<li>Instructor Register: It is a 16-bit register. It stores the instruction which is fetched from the main memory. So, it is used to hold instruction codes, which are to be executed. The Control Unit takes instruction from Instructor Register, then decodes and executes it.</li>

<li>Accumulator Register: It is a 16-bit register, which is used to store the results produced by the system. For example, the results generated by CPU after the processing are stored in the AC register. </li>

<li>Address Register: It is a 12-bit register that stores the address of a memory location where instructions or data is stored in the memory.</li>

<li>I/O Address Register: Its job is to specify the address of a particular I/O device.</li>

<li>I/O Buffer Register: Its job is to exchange the data between an I/O module and the CPU.</li>
</ul>

<h2>Internet</h2>

Internet is a global network that connects billions of computers across the world with each other and to the World Wide Web. It uses standard internet protocol suite (TCP/IP) to connect billions of computer users

worldwide. It is set up by using cables such as optical fibers and other wireless and networking technologies. At present, internet is the fastest mean of sending or exchanging information and data between computers across the world.

It is believed that the internet was developed by "Defense Advanced Projects Agency" (DARPA) department of the United States. And, it was first connected in 1969.

Internet is called a network as it creates a network by connecting computers and servers across the world using routers, switches and telephone lines, and other communication devices and channels. So, it can be considered a global network of physical cables such as copper telephone wires, fiber optic cables, tv cables, etc. Furthermore, even wireless connections like 3G, 4G, or Wi-Fi make use of these cables to access the Internet.

Internet is different from the World Wide Web as the World Wide Web is a network of computers and servers created by connecting them through the internet. So, the internet is the backbone of the web as it provides the technical infrastructure to establish the WWW and acts as a medium to transmit information from one computer to another computer. It uses web browsers to display the information on the client, which it fetches from web servers.

The internet is not owned by a single person or organization entirely. It is a concept based on physical infrastructure that connects networks with other networks to create a global network of billions of computers. As of 12 August 2016, there were more than 300 crores of internet users across the world.

<article id="lession4"><h2>Intranet</h2></article>
The intranet is a private network that belongs to a particular organization. It is designed for the exclusive use of an organization and its associates, such as employees, customers, and other authorized people. It offers a secure platform to convey information and share data with authorized users. Confidential information, database, links, forms, and applications can be made available to the staff through the intranet. So, it is like a private internet or an internal website that is operating within an organization to provide its employees access to its information and records. Each computer in intranet is identified by a unique IP Address.

It is based on internet protocols (TCP/IP) and is protected from unauthorized access with firewalls and other security systems. The firewall monitors the incoming and outgoing data packets to ensure they don't contain unauthorized requests. So, users on the intranet can access the internet, but the internet users can't access the intranet if they are not authorized for it. Furthermore, to access the intranet, the authorized user is required to be connected to its LAN (Local Area Network).

Intranet basically comprises three components: a web server, an intranet platform, and applications. The web server is hardware that contains all the intranet software and data. It manages all requests for files hosted over the server and finds the requested files and then delivers it to the user's computer.

The intranet platform, which is software, allows communication tools, collaboration apps, and databases to work seamlessly with each other. It is tailored to the specific needs of a business.

The applications are required to enable users to work smoothly. They are the computing tools that allow users to do their work, communicate, and coordinate with each other and retrieve and store information.

Furthermore, the user who wants to access the intranet is required to have a special network password and should be connected to the LAN. A user who is working remotely can gain access to the intranet through a virtual private network (VPN) that allows them to sign in to the intranet to access the information.

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

OUTPUT

What is Computer?
Register Memory
Internet
Intranet

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Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55) **Section-A**
Subject- Web Development **Subcode-PBC 501**

Problem Statement 4: Design a web page to implement external hyperlinking

CODE

```
<! DOCTYPE html>
<html>
<head>
        <title> HTML Internal links </title>
</head>
<body>
<h1>HTML: HyperText Markup Language</h1>
    <ul>
            <li>History of the web</li>
            <li>History of HTML versions</li>
    </ul>
      <p>Tim Berners-Lee invented the first browser at CERN, to enable researchers to share their
      research with each other.</p>

    <p>
      <img src=https://www.kasandbox.org/programming-images/misc/tim-berners-lee-webpage.png
      width="200">
      <br>Image courtesy CERN
    </p>

    <h2>History of the web</h2>
    <ul>
            <li><strong>1989: The motivation</strong>
            <p>CERN Physicist Tim Berners-Lee needed “a pool of information which could grow and
            evolve with the organisation and the projects it describes.”
        <br>
            <a href="http://www.w3.org/History/1989/proposal.html">Read the original proposal</a>
        </p>
      </li>
      <li>
        <strong>1989: The invention</strong>
             <p>Berners-Lee invented the World Wide Web, HTTP, and wrote the <a
            href="http://www.w3.org/History/19921103-
            hypertext/hypertext/WWW/TheProject.html">first HTML page</a>.
        </p>
      </li>
      <li>
        <strong>1993: It starts small</strong>
            <p>Berners-Lee presented the WWW at the IETF conference in a small BoF session, which
            is mentioned in the <a href="http://www.ietf.org/proceedings/26.pdf">proceedings</a>.</p>
      </li>
      <li>
        <strong>1993: It gets bigger!</strong>
```

```
            <p>NCSA creates the free <a href="http://www.ncsa.illinois.edu/enabling">Mosaic"
            browser</a>, and adds bookmarks, images, and a better UI.</p>
        </li>
        <li>
          <strong>1993+: The explosion</strong>
            <p>The number of domains increased as the internet started being <a
            href="http://en.wikipedia.org/wiki/History_of_the_Internet#Opening_the_network_to_comm
            erce">used by commerce</a>.</p>
        </li>
        <li><strong>1994: The World Wide Web Consortium</strong>
            <p>Berners-Lee founds the W3C to standardize HTML for all browsers to follow.</p>
        </li>
    </ul>

    <h2>History of HTML versions</h2>
    <ul>
            <li>1995: HTML 2.0</li>
            <li>1997 (Jan): HTML 3.2</li>
            <li>1997 (Dec): HTML 4.0</li>
            <li>1999: HTML 4.01</li>
            <li>2004: "HTML5" is proposed by WHATWG, a new committee</li>
            <li>2008: HTML5 is adopted by W3C as a standard.</li>
    </ul>

    <p>Read more on <a
    href="http://en.wikipedia.org/wiki/HTML#HTML_versions_timeline">Wikipedia</a></p>

        </body>
</html>
```

OUTPUT

HTML: HyperText Markup Language

- History of the web
- History of HTML versions

Tim Berners-Lee invented the first browser at CERN, to enable researchers to share their research with each other.

Image courtesy CERN

History of the web

- **1989: The motivation**

  CERN Physicist Tim Berners-Lee needed "a pool of information which could grow and evolve with the organisation and the projects it describes."
  Read the original proposal

- **1989: The invention**

  Berners-Lee invented the World Wide Web, HTTP, and wrote the first HTML page.

- **1993: It starts small**

  Berners-Lee presented the WWW at the IETF conference in a small BoF session, which is mentioned in the proceedings.

- **1993: It gets bigger!**

  NCSA creates the free Mosaic" browser, and adds bookmarks, images, and a better UI.

- **1993+: The explosion**

  The number of domains increased as the internet started being used by commerce.

- **1994: The World Wide Web Consortium**

  Berners-Lee founds the W3C to standardize HTML for all browsers to follow.

History of HTML versions

- 1995: HTML 2.0
- 1997 (Jan): HTML 3.2
- 1997 (Dec): HTML 4.0
- 1999: HTML 4.01
- 2004: "HTML5" is proposed by WHATWG, a new committee
- 2008: HTML5 is adopted by W3C as a standard.

Read more on Wikipedia

Problem Statement 5: Design a web page to implement image mapping

CODE

```
<!DOCTYPE html>
<html>
<head>
</head>

<body>

<div class="box">
<img src="D:\pICS\image-map-in-html.jpg" usemap="#workmap" width="1000" height="667">
<map name="workmap">

<area shape="rect" coords="300,103,710,545" alt="Computer" href="https://www.apple.com/in/macbook-pro/" target="_blank">

<area shape="rect" coords="720,337,800,434" alt="Phone" href="https://www.apple.com/in/shop/buy-iphone/iphone-13" target="_blank">

<area shape="circle" coords="854,445,44" alt="Coffee" href="https://www.cafecoffeeday.com/cafe-menu/whats-new" target="_blank">

<area shape="rect" coords="0,382,255,500" alt="notebook" href="https://www.cafecoffeeday.com/cafe-menu/whats-new" target="_blank">

</map>
</div>

</body>
</html>
```

Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55) **Section-A**
Subject- Web Development **Subcode-PBC 501**

OUTPUT

Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55) **Section-A**
Subject- Web Development **Subcode-PBC 501**

Problem Statement 6: Design a website to implement frameset and frames

CODE

Index.html

```
<!DOCTYPE HTML>
<html>
   <head>
      <title> Website having FRAMES</TITLE>
   </head>

   <frameset rows = "8%, 79%, *">
      <frameset>
         <frame name="header" src="header.html" scrolling="off">
      </frameset>

      <frameset cols="15%,70%,10%" frameborder>
         <frame name = "left" SRC="hyperlinks.html">

         <frame name = "main" src = "https://images.unsplash.com/photo-1535957998253-
         26ae1ef29506?ixid=MnwxMjA3fDB8MHxzZWFyY2h8MjN8fHdvcmt8ZW58MHx8MHx8&ixlib=r
         b-1.2.1&w=1000&q=80" />

         <frame name = "right" src = "ad.html" />
      </frameset>

      <frameset>
         <frame name="footer" src="footer.html" scrolling="off">
      </frameset>

      <noframes>
         <body>Your browser does not support frames.</body>
      </noframes>
   </frameset>
</html>
```

Header.html

```
<!DOCTYPE HTML>
<html>
   <body Bgcolor = "LightBlue">
      <marquee direction="left" scrollamount="15" >
         <Font Color= Blue Size = 5 >
         <b>WELCOME To WEBSITE about Gurpreet Kaur Jassal having FRAMES</b>
         </Font>
      </marquee>
   </body>
</html>
```

Footer.html

```
<!DOCTYPE html>
<html>
   <body bgcolor = "black">
      <font Color = "darkgrey">
         <p Align = "Center">
            For any query, get in touch with us throught:<br>
            Mail: gurpreetkaurjassal@icloud.com<br>
            Contact number: 7017660739
         </p>
      </font>
   </body>
</html>
```

Resume.html

```
<html>
<head>
<title>My Resume</title></head>
        <body>
                <img src="D:\passport size\gurpreet.jpeg" align="left" width="100" height="110">
                <dl>
               <dt><font size="+1"><b>Gurpreet Kaur Jassal</b></font></dt>
                  <dt>305/5 Patel Nagar,</dt>
                  <dt>Dehradun-248001, Uttarakhand, India</dt>
                  <dt><b>Email id   :</b> gurpreetkaurjassal@icloud.com</dt>
                  <dt><b>Phone No   :</b> +917017660739</dt>
                  <dt>https://www.linkedin.com/in/gurpreetjassal31/</dt>
                </dl>
<hr>
<ul>
        <li>A final year student pursing Bachleor of Computer Applications program.</li>
        <li>Looking forward to secure work with an organization that offers a reliable positive climate to
        learn and actualize new skills for the improvement of the association.</li>
        <li>An opportunity grabber with growth-oriented mindset.</li>
        <li>Have good understanding of OOP concepts.</li>
        <li>Enthusiastic about developing apps on Android Studio.</li>
        <li>Love doing intricate mandalas, playing Badminton, listening music, travelling and a lots of other
        things!.</li>
</ul>

<h3>ACADEMIC QUALIFICATION</h3>
<table align="center" border="1" valign="middle" cellpadding="10" cellspacing="10" >
        <tr><th>Name of Program</th><th>Institute</th><th>Board/University</th><th>Year of
        Passing</th><th>Percentage</th></tr>
        <tr align="middle"><td>BCA</td><td>Graphic Era Hill University, Dehradun</td><td>Graphic
        Era Univeristy</td><td>Expected 2023</td><td>86%</td></tr>
```

```
        <tr align="middle"><td>Intermediate</td><td>Sandal Wood School,
        Uttarakhand</td><td>ISC</td><td>2020</td><td>87.8%</td></tr>
        <tr align="middle"><td>High School</td><td>Sandal Wood School,
        Uttarakhand</td><td>ICSE</td><td>2018</td><td>89.6%</td></tr>
</table>

<h3>TECHNICAL SKILLS</h3>
        <ul>
                <li>Core Java</li>
                <li>DBMS(Database Management System),SQL</li>
                <li>Microsoft Office(MS Word, MS Excel, PowerPoint, etc)</li>
                <li>Basic knowledge of Tally</li>
        </ul>

<h3>PERSONAL SKILLS</h3>
        <ul>
                <li>Proven leadership skills and ability to motivate</li>
                <li>Highly organized and efficient</li>
                <li>Ability to work independently or as a part of team</li>
                <li>Keen to learn new things</li>
        </ul>

<h3>ACHIEVEMENTS AND OTHER ACTIVITIES</h3>
        <ul>
                <li>Patent on 'An Application to help Local Businesses and Dealers'</li>
                <li>Annual Topper's Award-2021,Achiever's Award 2021</li>
        </ul>

<h3>CERTIFICATIONS</h3>
        <ul>
                <li><b>COURSERA:</b> Java for Android</li>
                <li><b>COURSERA:</b> Android App Components - Intents, Activities, and Broadcast
                Receivers</li>
        </ul>

<h3>PERSONAL DETAILS</h3>
        <ul>
                <li>Father's Name: Baldev Singh Jassal</li>
                <li>Date of Birth: 31 May 2002</li>
                <li>Gender      : Female</li>
                <li>Languages    : Hindi, English and Punjabi</li>
        </ul>
</body>
</html>
```

Timetable.html

```
<html>
<head>
```

```
<title>Time Table</title></head>
        <body>
                <h1>COURSE: BCA 5</h1>
<hr>
<table align="center" border="1" valign="middle" cellpadding="10" cellspacing="10" >
        <tr><th>DAYS</th><th>8:00-8:55</th> <th>8:55-9:50</th> <th>10:10-11:05</th> <th>11:05-
        12:00</th> <th>12:00-12:55</th> <th>12:55-1:50</th> <th>2:10-3:05</th> <th>3:05-4:00</th>
        <th>4:00-4:55</th> <th>4:55-5:50</th> </tr>

        <tr align="middle"><td>MON</td> <td></td> <td></td> <td></td> <td></td> <td>TBC 506</td>
        <td></td> <td>TBC 505</td> <td>TBC 503</td> <td></td> <td></td> </tr>

        <tr align="middle"><td>TUE</td> <td colspan="2">PBC 501</td> <td>TBC 501</td> <td>TBC
        506</td> <td>TBC 505</td> <td></td> <td>XBI 501</td> <td></td> <td></td> <td></td> </tr>

        <tr align="middle"><td>WED</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>TBC
        503</td> <td>TBC 501</td> <td>TBC 502</td> <td></td> <td></td> </tr>

        <tr align="middle"><td>THU</td> <td></td> <td></td> <td></td> <td></td> <td>TBC 502</td>
        <td></td> <td>TBC 501</td> <td>TBC 505</td> <td></td> <td></td> </tr>

        <tr align="middle"><td>FRI</td> <td>TBC 503</td> <td>TBC 506</td> <td></td> <td></td> <td
        colspan="2">PBC 502</td> <td>XBC 501</td> <td>TBC 505</td> <td></td> <td></td> </tr>

        <tr align="middle"><td>SAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>
        <td></td> <td></td> <td></td> <td></td> </tr>

        <tr><th colspan="2">CODE</th> <th colspan="4">SUBJECTS</th> <th
        colspan="3">FACULTY</th> <th colspan="2">L T P C</th> </tr>

        <tr align="middle"><td colspan="2">TBC 501</td> <td colspan="4">Web Development</td> <td
        colspan="3">MS. DEEPTI NEGI</td> <td colspan="2">3003</td> </tr>

        <tr align="middle"><td colspan="2">TBC 502</td> <td colspan="4">Mobile Application
        Development</td> <td colspan="3">MS. PRIYA KOHLI</td> <td colspan="2">3003</td> </tr>

        <tr align="middle"><td colspan="2">TBC 503</td> <td colspan="4">Cryptography</td> <td
        colspan="3">MS. NIDHI JOSHI</td> <td colspan="2">3104</td> </tr>

        <tr align="middle"><td colspan="2">TBC 504</td> <td colspan="4">Software Engineering</td>
        <td colspan="3">ONLINE</td> <td colspan="2">3003</td> </tr>

        <tr align="middle"><td colspan="2">TBC 505</td> <td colspan="4">Internet of things</td> <td
        colspan="3">MR. ADITYA HARBOLA</td> <td colspan="2">3003</td> </tr>
        <tr align="middle"><td colspan="2">TBC 506</td> <td colspan="4">Financial Accounting</td>
        <td colspan="3">DR. MEGHA</td> <td colspan="2">3003</td> </tr>
```

```
        <tr align="middle"><td colspan="2">XBI 501</td> <td colspan="4">Career Skills-III</td> <td
        colspan="3">MS. SULEKHA</td> <td colspan="2">2002</td> </tr>

        <tr align="middle"><td colspan="2">PBC 501</td> <td colspan="4">Web Development & Internet
        of Things</td> <td colspan="3">MS. DEEPTI NEGI, MR. ADITYA HARBOLA</td> <td
        colspan="2">0042</td> </tr>

        <tr align="middle"><td colspan="2">PBC 502</td> <td colspan="4">Mobile Application
        Development</td> <td colspan="3">MS. PRIYA KOHLI</td> <td colspan="2">0042</td> </tr>

        <tr align="middle"><td colspan="2">SBC 501</td> <td colspan="4">MOOC based seminar</td>
        <td colspan="3">MS. PRIYA KOHLI</td> <td colspan="2">0001</td> </tr>

        <tr align="middle"><td colspan="2">GP 501</td> <td colspan="4">General Proficiency</td> <td
        colspan="3">MS. PRIYA KOHLI</td> <td colspan="2"></td> </tr>
                </table>
        </body>
</html>
```

Applicationform.html

```
<!DOCTYPE HTML>
<html>
   <head>
      <title>Job Application Form</title>
         <link rel = "icon" href = "https://iconarchive.com/download/i89674/alecive/flatwoken/Apps-Google-
         Drive-Forms.ico" type = "image/x-icon">
         <CENTER>
         <img src = "https://www.employmenthelp.org/wp-content/uploads/Job-Board-Header-
         Background.png" widht = 3000 height = 250>
         <font size="4" color="LightBlue">
         <h1>Application for Job</h1></font>
          <p>Please fill the folowing details very carefully. On the basis of your answers, your will be
         recruited.<br> <br><b>* fields are mandatory</b></p>
      </CENTER>
   </head>

   <body>
       <form>
          <TABLE ALIGN="CENTER" CELLPADDING="5" CELLSPACING="1" WIDTH="800"
         BGCOLOR="LightBlue">
            <tr>
               <td> </td>
               <td> 1. </td>
               <td> <b>Enter your Name</b> <FONT style= "COLOR:RED";><b>*</b></FONT></td>
               <td> </td>
                  <td> <INPUT TYPE="TEXT" NAME="S_NAME" SIZE="50" MAXLENGTH="30"
                  VALUE="" Align = "Left" required></td>
               <td> </td>
```

```
        </tr>

        <tr>
           <td> </td>
           <td> 2. </td>
           <TD> <b>Enter your Roll Number</b></TD>
           <td> </td>
           <TD> <INPUT TYPE="NUMBER" NAME="S_ROLL" SIZE="15" MAXLENGTH="10"
VALUE="" border=""></TD>
           <td> </td>
        </tr>

        <tr>
           <td> </td>
           <td> 3. </td>
           <TD> <b>Enter your Email</b> <FONT style= "COLOR:RED";><b>*</b></FONT></TD>
           <td> </td>
           <TD> <INPUT TYPE="email" NAME="S_PHONE" SIZE="50" MAXLENGTH="70"
VALUE="" border="" required></TD>
           <td> </td>
        </tr>

        <tr>
           <td> </td>
           <td> 4. </td>
           <TD> <b>Enter your Phone Number</b></TD>
           <td> </td>
           <TD> <INPUT TYPE="NUMBER" NAME="S_PHONE" SIZE="20" MAXLENGTH="15"
VALUE="" border=""></TD>
           <td> </td>
        </tr>

        <tr>
           <td> </td>
           <td> 5. </td>
           <TD> <b>Create your Password</b> <FONT style=
"COLOR:RED";><b>*</b></FONT></TD>
           <td> </td>
           <TD><INPUT TYPE="PASSWORD" required></TD>
        </tr>

        <tr>
           <td> </td>
           <td> 6. </td>
           <TD> <b>Address</b></TD>
           <td> </td>
           <TD> <TEXTAREA ROWS="6" COL ="100"></TEXTAREA></TD>
        </tr>
```

```
<tr>
   <td> </td>
   <td> 7. </td>
   <TD> <b>State</b></TD>
   <td> </td>
   <td><SELECT>
      <OPTION> SELECT
      <OPTION> HIMACHAL
      <OPTION> HARYANA
      <OPTION> DELHI
      <OPTION> UTTAR PRADESH
   </SELECT></td>
</tr>

<tr>
   <td> </td>
   <td> 8. </td>
   <TD> <b>Year</b></TD>
   <td> </td>
   <TD>
      <INPUT TYPE="RADIO" NAME="Year" VALUE="1st year" CHECKED>1st year<BR>
      <INPUT TYPE="RADIO" NAME="Year" VALUE="2nd year">2nd year<BR>
      <INPUT TYPE="RADIO" NAME="Year" VALUE="3rd year">3rd year
      </TD>
</tr>

<tr>
   <td> </td>
   <td> 9. </td>
   <TD> <b>Skills</b></TD>
   <td> </td>
   <td>
      <input type="checkbox" id="skill1" name="skill1" value="Web">
      <label for="vehicle1"> Web Development</label><br>
      <input type="checkbox" id="skill2" name="skill2" value="Graphic">
      <label for="vehicle2"> Graphic Designing</label><br>
      <input type="checkbox" id="skill3" name="skill3" value="Data Science">
      <label for="vehicle3"> Data Science</label><br>
      <input type="checkbox" id="skill4" name="skill4" value="ML">
      <label for="vehicle3"> Machine Learning</label><br>
      <input type="checkbox" id="skill5" name="skill5" value="DSA">
      <label for="vehicle3"> Data Structure and Algorithm</label><br>
      <input type="checkbox" id="skill6" name="skill6" value="Cloud">
      <label for="vehicle3"> Cloud Computing</label><br>
   </td>
</tr>
```

```
            <tr>
                <td> </td>
                <td> 10. </td>
                <TD> <b>Attach your Resume</b></TD>
                <td> </td>
                <td>
                    <label for="myfile">Select a file:</label>
                    <input type="file"  id="myfile" name="myfile">
                </td>
            </tr>

            <tr>
                <td Align="Center" colspan="5" rowspan="1">
                    <input type="submit" value="RESET" style= "Background-COLOR:rgb(89, 160, 241)";>
                    <input type="submit" value="SUBMIT" style= "Background-COLOR:rgb(89, 160, 241)";>
                </td>
            </tr>

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

Ad.html

```
<!DOCTYPE html>
<html>
    <head>
        <Font Size = 4>
            <u>Advertisments</u>
        </Font>
    </head>

    <img src="https://m.media-amazon.com/images/I/61pyzC4yjJS._UY695_.jpg" width = 70/>
    <p>But them by clicking here:
    <a href =
"https://www.amazon.in/dp/B084Z4BMFF/ref=redir_mobile_desktop?_encoding=UTF8&aaxitk=8e34708c
2a0048ef52411c2c2889cf9b&content-id=amzn1.sym.9cd3c74c-b132-4f5d-9fa4-
b077d9aff68d%3Aamzn1.sym.9cd3c74c-b132-4f5d-9fa4-
b077d9aff68d&hsa_cr_id=4934654490402&pd_rd_plhdr=t&pd_rd_r=010cd397-dc85-4868-a38f-
20c454c91f5b&pd_rd_w=EeolC&pd_rd_wg=L6I69&qid=1667532086&ref_=sbx_be_s_sparkle_tsld_asin_
0_img&sr=1-1-e0fa1fdd-d857-4087-adda-5bd576b25987"  target="_blank" rel="noopener
noreferrer">Click here</a>
     </p>

    <img src="https://m.media-amazon.com/images/I/41EC+4eLJfL.jpg" width = 70/>
    <p>But them by clicking here:
    <a href = "https://www.amazon.in/Bersache-Combo-Casual-Sneakers-
Multicolor/dp/B0744KSQ82/ref=lp_14072897031_1_1"  target="_blank" rel="noopener noreferrer">Click
here</a>
```

```
    </p>
</html>
```

Hyperlinks.html

```
<!DOCTYPE HTML>
<html>
   <body BGCOLOR="lightyellow">

      <p ALIGN="CENTER"><FONT size =5 COLOR='red'>
         <a href="https://images.unsplash.com/photo-1535957998253-
26ae1ef29506?ixid=MnwxMjA3fDB8MHxzZWFyY2h8MjN8fHdvcmt8ZW58MHx8MHx8&ixlib=rb-
1.2.1&w=1000&q=80" target="main"> 1. Home<br>
      </p>

      <p ALIGN="CENTER"><FONT size =5 COLOR='red'>
         <a href="Making resume on a webpage.html" target="main"> 2. Resume<br>
      </p>

      <p ALIGN="CENTER"><FONT size =5 COLOR='red'>
         <a href="Application Form.html" target="main" rel="noopener noreferrer"> 3. Application
Form<br>
      </p>

      <p ALIGN="CENTER"><FONT size =5 COLOR='red'>
         <a href="time_table.html" target="main"> 4. Time Table<br>
      </p>

      <p ALIGN="CENTER"><FONT size =5 COLOR='red'>
         <a href="https://www.gehu.ac.in/" target="_blank"> 5. College GEHU<br>
      </p>

   </body>
</html>
```

OUTPUT

WELCOME To WEBSITE about Gurpreet Kaur Jassal having FRAMES

1. Home
2. Resume
3. Application Form
4. Time Table
5. College GEHU

Advertisments

But them by clicking here: Click here

But them by clicking here: Click here

For any query, get in touch with us throught:
Mail: gurpreetkaurjassal@icloud.com
Contact number: 7017660739

WELCOME To WEBSITE about Gurpreet Kaur Jassal having FRAMES

1. Home
2. Resume
3. Application Form
4. Time Table
5. College GEHU

Ques 1:

Gurpreet Kaur Jassal
305/5 Patel Nagar,
Dehradun-248001, Uttarakhand, India
Email id : gurpreetkaurjassal@icloud.com
Phone No : +917017660739
https://www.linkedin.com/in/gurpreetjassal31/

- A final year student pursing Bachleor of Computer Applications program.
- Looking forward to secure work with an organization that offers a reliable positive climate to learn and actualize new skills for the improvement of the association.
- An opportunity grabber with growth-oriented mindset.
- Have good understanding of OOP concepts.
- Enthusiastic about developing apps on Android Studio.
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Advertisments

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Mail: gurpreetkaurjassal@icloud.com
Contact number: 7017660739

Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55)
Subject- Web Development

Section-A
Subcode-PBC 501

WELCOME To WEBSITE about Gurpreet Kaur Jassal having FRAMES

1. Home
2. Resume
3. Application Form
4. Time Table
5. College GEHU

Application for Job

Please fill the folowing details very carefully. On the basis of your answers, your will be recruited.

*** fields are mandatory**

1. **Enter your Name** *
2. **Enter your Roll Number**
3. **Enter your Email** *
4. **Enter your Phone Number**
5. **Create your Password** *
6. **Address**
7. **State** SELECT

Advertisments

But them by clicking here: Click here

But them by clicking here: Click here

For any query, get in touch with us throught:
Mail: gurpreetkaurjassal@icloud.com
Contact number: 7017660739

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COURSE: BCA 5

DAYS	8:00-8:55	8:55-9:50	10:10-11:05	11:05-12:00	12:00-12:55	12:55-1:50	2:10-3:05	3:05-4:00	4:00-4:55	4:55-5:50
MON					TBC 506		TBC 505	TBC 503		
TUE	PBC 501		TBC 501	TBC 506	TBC 505		XBI 501			
WED						TBC 503	TBC 501	TBC 502		
THU					TBC 502		TBC 501	TBC 505		
FRI	TBC 503	TBC 506			PBC 502		XBC 501	TBC 505		
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Name – Gurpreet Kaur Jassal
Stdid-20042126 /(55)
Subject- Web Development

Section-A
Subcode-PBC 501

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Subject- Web Development **Subcode-PBC 501**

Problem Statement 7: Write a php script to check whether a given year is a leap year or not

CODE

```
<?php

$year =1900;
  echo "Year: $year";
  echo "<br>";
    if ($year % 400 == 0)
      print("It is a leap year");
    else if ($year % 100 == 0)
      print("It is not a leap year");
    else if ($year % 4 == 0)
      print("It is a leap year");
    else
      print("It is not a leap year");

?>
```

OUTPUT

Year: 1900
It is not a leap year

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Problem Statement 8: Write a php script to solve an integer array in ascending order

CODE

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

<?php
$numbers = array(40, 61, 2, 22, 13);
$arrlength = count($numbers);
echo "Array before sorting";
echo "<br>";
for($x = 0; $x < $arrlength; $x++) {
   echo $numbers[$x];
   echo "<br>";}

sort($numbers);

 echo "Array after sorting";
echo "<br>";

for($x = 0; $x < $arrlength; $x++) {
   echo $numbers[$x];
   echo "<br>";
}
?>

</body>
</html>
```

OUTPUT

Array before sorting
40
61
2
22
13
Array after sorting
2
13
22
40
61

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Problem Statement 9: Write a php script to find the maximum of three given numbers

CODE

```
<?php
   $num1=50;
   $num2=40;
   $num3=20;
echo "First number: $num1 <br>";
echo "Second number: $num2 <br>";
echo "Third number: $num3 <br>";

   if($num1>$num2 and $num1>$num3)
   {
      echo "Max number is $num1";
   }
   else if($num2>$num3)
   {
      echo "Max number is $num2";
   }
   else
   {
      echo "Max number is $num3";
   }
?>
```

OUTPUT

First number: 50
Second number: 40
Third number: 20
Max number is 50

Problem Statement 10: Write a php script to find the factorial od a number using recursive function

CODE

```
<?php

function factorial($n)
{
  if($n <= 1) {
    return 1;
  }
  else{
    return $n * factorial($n - 1);
  }
}


$n = 5;
echo "Factorial of $n is " .factorial($n);
?>
```

OUTPUT

Factorial of 5 is 120

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Problem Statement 11: Write a php script to implement string manipulation using string functions

CODE

```
<?php
echo "Length of(Hi Every One): ";
echo strlen("Hi Every One");
echo "<br>";
echo "Number of words(Hi Every One): ";
echo str_word_count("Hi Every One");
echo "<br>";
echo "Reverse of(Hello World): ";
echo strrev("Hello world");
echo "<br>";
echo "Position of Buddy(Hi Buddy): ";
echo strpos("Hi Buddy", "Buddy");
echo "<br>";
echo "Replacement of world with Jack(Hello World): ";
echo str_replace("world", "jack", "Hello world");
echo "<br>";
$str="My name is Gurpreet";
echo "Convert the string ($str) in lowercase :";
$str=strtolower($str);
echo $str;
echo "<br>";
$str="My name is Gurpreet";
echo "Convert the string ($str) in uppercase :";
$str=strtoupper($str);
echo $str;
echo "<br>";
$str="My name is Gurpreet";
echo "Make the first character of the string ($str) to uppercase :";
$str=ucfirst($str);
echo $str;
echo "<br>";
$str="My name is Gurpreet";
echo "Make the first character of the string ($str) to lowercase :";
$str=lcfirst($str);
echo $str;
echo "<br>";
$str="My name is Gurpreet";
echo "Make the first character of each word ($str) to uppercase :";
$str=ucwords($str);
echo $str;

?>
```

OUTPUT

Length of(Hi Every One): 12
Number of words(Hi Every One): 3
Reverse of(Hello World): dlrow olleH
Position of Buddy(Hi Buddy): 3
Replacement of world with Jack(Hello World): Hello jack
Convert the string (My name is Gurpreet) in lowercase :my name is gurpreet
Convert the string (My name is Gurpreet) in uppercase :MY NAME IS GURPREET
Make the first character of the string (My name is Gurpreet) to uppercase :My name is Gurpreet
Make the first character of the string (My name is Gurpreet) to lowercase :my name is Gurpreet
Make the first character of each word (My name is Gurpreet) to uppercase :My Name Is Gurpreet

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Problem Statement 12: Write a php script to create a database and name it as STUDENT

CODE

```
//Creating Database
<?php
$servername="localhost";
$username="root";
$password="";

$conn=new mysqli($servername,$username,$password);

if(!$conn)
{
die("connection failed!");
}
else
echo "connection success<br>";

$sql="create database STUDENT";
if(mysqli_query($conn,$sql))
	echo "database created<br>";

else

	echo "database not created",mysqli_error($conn);

$conn->close();
?>
```

OUTPUT

connection success
database created

Problem Statement 13: Write a php script to drop a database

CODE

```
//Dropping Database
<?php
$servername="localhost";
$username="root";
$password="";

$conn=new mysqli($servername,$username,$password);

if(!$conn)
die("connection failes".mysqli_connect_error());

else
echo "connection success<br>";

$sql="drop database EMPLOYEE";
if(mysqli_query($conn,$sql))
        echo "database dropped";

mysqli_close($conn);
?>
```

OUTPUT

connection success
database dropped

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Subject- Web Development **Subcode-PBC 501**

Problem Statement 14: Write a php script to create table named as student_of_BCA.

CODE

```
<?php
$servername="localhost";
$username="root";
$password="";

$conn= mysqli_connect($servername,$username,$password,"STUDENT");

if(!$conn)
{
die("connection failed!");
}
else
echo "connection success<br>";

$sql="create table student_of_BCA(NAME varchar(10),rollno int(10) primary key)";
if(mysqli_query($conn,$sql))
	echo "table created<br>";

else

	echo "table not created",mysqli_error($conn);

mysqli_close($conn);
?>
```

OUTPUT

connection success
table created

Problem Statement 15: Write a php script to insert data into the table named as student_of_BCA.

CODE

```
<?php
$servername="localhost";
$username="root";
$password="";

$conn= mysqli_connect($servername,$username,$password,"STUDENT");

if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}

$sql = "INSERT INTO student_of_BCA (firstname, lastname, email)
VALUES ('John', 'Doe', 'john@example.com');";
$sql .= "INSERT INTO student_of_BCA (firstname, lastname, email)
VALUES ('Mary', 'Moe', 'mary@example.com');";
$sql .= "INSERT INTO student_of_BCA (firstname, lastname, email)
VALUES ('Julie', 'Dooley', 'julie@example.com')";

if ($conn->multi_query($sql) === TRUE) {
  echo "New records created successfully";
} else {
  echo "Error: " . $sql . "<br>" . $conn->error;
}

$conn->close();
?>
```

OUTPUT

New records created successfully

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Problem Statement 16: Write a php script to fetch record from the table student_of_BCA.

CODE

```
<?php
$servername="localhost";
$username="root";
$password="";

$conn= mysqli_connect($servername,$username,$password,"STUDENT");

if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}


$sql = "SELECT firstname,lastname,email from student_of_BCA";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
  // output data of each row
  while($row = $result->fetch_assoc()) {
    echo "Name: " . $row["firstname"]. " " . $row["lastname"]. " email " . $row["email"]. "<br>";
  }
} else {
  echo "0 results";
}
$conn->close();
?>
```

OUTPUT

Name: John Doe email john@example.com
Name: Mary Moe email mary@example.com
Name: Julie Dooley email julie@example.com

Problem Statement 17: Write a php script to validate a student registration form using appropriate validations as
1)Name field must not be kept empty
2)Email id should contain @sign
3)Age field must be greater than 18 years
4)Check boxes, Radio Buttons must be checked
5)Password filed must contain atleast one capital letter with minimum length 8 and maximum 12

CODE

```
<?php
$name = $email = $gender = $age =$password= " ";
if ($_SERVER["REQUEST_METHOD"] == "POST")
{
  $name =$_POST["name"];
  $email =$_POST["email"];
  $age = $_POST["age"];
  $gender = $_POST["gender"];
  $password = $_POST["password"];
}
?>
<html>
<head>
</head>
<body>
<h2>PHP Form Validation </h2>
<form method="post">
  Name: <input type="text" name="name" required>*
  <br><br>
  E-mail: <input type="text" name="email" >
  <br><br>
  Age : <input type="Number" name="age" min="18" >
  <br><br>
   Password: <input type="password" name="password" pattern="(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,12}"
  title="Must contain at least one number and one uppercase and lowercase letter, and at least 8 or atmost 12
characters" required>*
  <br><br>
  Gender:
  <input type="radio" name="gender" value="female">Female
  <input type="radio" name="gender" value="male" checked>Male
  <input type="radio" name="gender" value="other">Other
  <br><br>
  <input type="submit" name="submit" value="Submit">
</form>
<br>
<h2>User Details</h2>
<?php
```

```
        echo"$name<br>";
  echo"$email<br>";
  echo"$age<br>";
  echo"$gender<br>";
  echo"$password<br>";
?>
</body>
</html>
```

OUTPUT

localhost/php_programs/validate_form.php
Update
Environmental studi...
GEU Communicatio...
Number Patterns in...
C Programming Exa...
Free stock videos ·...
DS lecture notes25....
cbnst methods pro...
Java Tutorial | Learn...
PHP Form Validation
Name: Gurpreet *
E-mail: singhnancy536gmail.com
Please match the requested format.
Password: ••••••••••• *
Gender: Female Male Other
Submit
User Details

localhost/php_programs/validate_form.php
Update
Environmental studi...
GEU Communicatio...
Number Patterns in...
C Programming Exa...
Free stock videos ·...
DS lecture notes25....
cbnst methods pro...
Java Tutorial | Learn...
PHP Form Validation
Name: Gurpreet Kaur Jassal *
E-mail: singhnancy536@gmail.com
Age : 17
Password: *
Must contain at least one number and one uppercase and lowercase letter, and at least 8 or atmost 12 characters
Gender: Female Male Other
Submit
User Details

localhost/php_programs/validate_form.php
Update
Environmental studi...
GEU Communicatio...
Number Patterns in...
C Programming Exa...
Free stock videos -...
DS lecture notes25....
cbnst methods pro...
Java Tutorial | Learn...
PHP Form Validation
Name: Gurpreet Kaur Jassal *
E-mail: singhnancy536@gmail.com
Age : 17
Value must be greater than or equal to 18.
Gender: Female Male Other
Submit
User Details

localhost/php_programs/validate_form.php
Update
Environmental studi...
GEU Communicatio...
Number Patterns in...
C Programming Exa...
Free stock videos -...
DS lecture notes25....
cbnst methods pro...
Java Tutorial | Learn...
PHP Form Validation
Name: Gurpreet Kaur Jassal *
E-mail: singhnancy536@gmail.com
Age : 18
Password: ••••••••••• *
Gender: Female Male Other
Submit
User Details
Gurpreet Kaur Jassal
singhnancy536@gmail.com
20
female
mAAPAA@0107

Problem Statement 18: Create cookie of username and email and age, the cookie for 10 hours and get the variable name in a JSP file

CODE

main.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
  <%
  // Create cookies for first and last names.
  Cookie un = new Cookie("username", request.getParameter("username"));
  Cookie em = new Cookie("email", request.getParameter("email"));

  // Set expiry date after 24 Hrs for both the cookies.
  un.setMaxAge(60*60*24);
  em.setMaxAge(60*60*24);

  // Add both the cookies in the response header.
  response.addCookie( un );
  response.addCookie( em );
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Setting Cookies</title>
  </head>

  <body>
    <center>
      <h1>Setting Cookies</h1>
    </center>
    <ul>
      <li><p><b>First Name:</b>
        <%= request.getParameter("username")%>
      </p></li>
      <li><p><b>Last  Name:</b>
        <%= request.getParameter("email")%>
      </p></li>
    </ul>

</body>
</html>
```

hello.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Cookie</title>
</head>
<form action = "main.jsp" method = "GET">
        User Name: <input type = "text" name = "username">
        <br />
        Email : <input type = "text" name = "email" />
        <input type = "submit" value = "Submit" />
     </form>

  </body>
</html>
```

OUTPUT

Cookie
localhost:8084/Cookiees/hello.jsp
User Name: Gurpreet
Email : singhnancy536@gmail.com
Submit

Setting Cookies
localhost:8084/Cookiees/main.jsp?username=Gurpreet&email=singhnancy536%40gmail.com
Setting Cookies
First Name: Gurpreet
Last Name: singhnancy536@gmail.com

Problem Statement 19: Create a User Registration and Login System with PHP and MySQL

CODE

login.php

```
<!DOCTYPE html>
<html>
<head>
   <meta charset="utf-8"/>
   <title>Login</title>
   <link rel="stylesheet" href="style.css"/>
</head>
<body>
<?php
   require('db.php');
   session_start();
   // When form submitted, check and create user session.
   if (isset($_POST['username'])) {
      $username = stripslashes($_REQUEST['username']);    // removes backslashes
      $username = mysqli_real_escape_string($con, $username);
      $password = stripslashes($_REQUEST['password']);
      $password = mysqli_real_escape_string($con, $password);
      // Check user is exist in the database
      $query    = "SELECT * FROM `users` WHERE username='$username'
                 AND password='" . md5($password) . "'";
      $result = mysqli_query($con, $query) or die(mysql_error());
      $rows = mysqli_num_rows($result);
      if ($rows == 1) {
         $_SESSION['username'] = $username;
         // Redirect to user dashboard page
         header("Location: dashboard.php");
      } else {
         echo "<div class='form'>
               <h3>Incorrect Username/password.</h3><br/>
               <p class='link'>Click here to <a href='login.php'>Login</a> again.</p>
               </div>";
      }
   } else {
?>
   <form class="form" method="post" name="login">
      <h1 class="login-title">Login</h1>
      <input type="text" class="login-input" name="username" placeholder="Username" autofocus="true"/>
      <input type="password" class="login-input" name="password" placeholder="Password"/>
      <input type="submit" value="Login" name="submit" class="login-button"/>
      <p class="link">Don't have an account? <a href="registration.php">Registration Now</a></p>
  </form>
```

```
<?php
   }
?>
</body>
</html>
```

registration.php

```
<!DOCTYPE html>
<html>
<head>
   <meta charset="utf-8"/>
   <title>Registration</title>
   <link rel="stylesheet" href="style.css"/>
</head>
<body>
<?php
   require('db.php');
   // When form submitted, insert values into the database.
   if (isset($_REQUEST['username'])) {
      // removes backslashes
      $username = stripslashes($_REQUEST['username']);
      //escapes special characters in a string
      $username = mysqli_real_escape_string($con, $username);
      $email    = stripslashes($_REQUEST['email']);
      $email    = mysqli_real_escape_string($con, $email);
      $password = stripslashes($_REQUEST['password']);
      $password = mysqli_real_escape_string($con, $password);
      $create_datetime = date("Y-m-d H:i:s");
      $query    = "INSERT into `users` (username, password, email, create_datetime)
                 VALUES ('$username', '" . md5($password) . "', '$email', '$create_datetime')";
      $result   = mysqli_query($con, $query);
      if ($result) {
         echo "<div class='form'>
               <h3>You are registered successfully.</h3><br/>
               <p class='link'>Click here to <a href='login.php'>Login</a></p>
               </div>";
      } else {
         echo "<div class='form'>
               <h3>Required fields are missing.</h3><br/>
               <p class='link'>Click here to <a href='registration.php'>registration</a> again.</p>
               </div>";
      }
   } else {
?>
   <form class="form" action="" method="post">
      <h1 class="login-title">Registration</h1>
      <input type="text" class="login-input" name="username" placeholder="Username" required />
      <input type="text" class="login-input" name="email" placeholder="Email Adress">
```

```
        <input type="password" class="login-input" name="password" placeholder="Password">
        <input type="submit" name="submit" value="Register" class="login-button">
        <p class="link">Already have an account? <a href="login.php">Login here</a></p>
    </form>
<?php
    }
?>
</body>
</html>
```

index.php

```
<?php
header("Location: login.php");
?>
```

db.php

```
<?php
$sname= "localhost";
$unmae= "root";
$password = "";
$db_name = "LoginSystem";
$con = mysqli_connect($sname, $unmae, $password, $db_name);

if (!$con) {
    echo "Connection failed!";
}
```

dashboard.php

```
<?php
//include auth_session.php file on all user panel pages
include("auth_session.php");
?>
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <title>Dashboard - Client area</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
    <div class="form">
        <p>Hey, <?php echo $_SESSION['username']; ?>!</p>
        <p>You are in user dashboard page.</p>
        <p><a href="logout.php">Logout</a></p>
```

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

auth_session.php

```
<?php
    session_start();
    if(!isset($_SESSION["username"])) {
        header("Location: login.php");
        exit();
    }
?>
```

logout.php

```
<?php
    session_start();
    // Destroy session
    if(session_destroy()) {
        // Redirecting To Home Page
        header("Location: login.php");
    }
?>
```

style.css

```
body {
    background: #3e4144;
}
.form {
    margin: 50px auto;
    width: 300px;
    padding: 30px 25px;
    background: white;
}
h1.login-title {
    color: #666;
    margin: 0px auto 25px;
    font-size: 25px;
    font-weight: 300;
    text-align: center;
}
.login-input {
    font-size: 15px;
    border: 1px solid #ccc;
    padding: 10px;
    margin-bottom: 25px;
    height: 25px;
    width: calc(100% - 23px);
```

```
}
.login-input:focus {
   border-color:#6e8095;
   outline: none;
}
.login-button {
   color: #fff;
   background: #55a1ff;
   border: 0;
   outline: 0;
   width: 100%;
   height: 50px;
   font-size: 16px;
   text-align: center;
   cursor: pointer;
}
.link {
   color: #666;
   font-size: 15px;
   text-align: center;
   margin-bottom: 0px;
}
.link a {
   color: #666;
}
h3 {
   font-weight: normal;
   text-align: center;
}
```

OUTPUT

Login
localhost/php_programs/authenticate%20form%203/login.php
Login
Gurpreet
Login
Don't have an account? Registration Now

Login
localhost/php_programs/authenticate%20form%203/login.php
Incorrect Username/password.
Click here to Login again.

Registration
localhost/php_programs/authenticate%20form%203/registration.php
Registration
Gurpreet
singhnancy536@gmail.com
Register
Already have an account? Login here

Registration
localhost/php_programs/authenticate%20form%203/registration.php
You are registered successfully.
Click here to Login

Login
localhost/php_programs/authenticate%20form%203/login.php
Login
Gurpreet
Login
Don't have an account? Registration Now

Dashboard - Client area
localhost/php_programs/authenticate%20form%203/dashboard.php
Hey, Gurpreet!
You are in user dashboard page.
Logout