Q1:- Design a home page which will display your information i.e. Bio data, also Create Hyperlinks in home page i.e educational details, Hobbies, Achievement, My Ideals etc.

```
<!doctype html>
<html><head><Title> Home Page</Title>
</head><body><p><b><center> BIODATA </p></center></b>
<p><b> Full Name  : </b> Krishant Chauhan </p>
<p><b> Date of Birth : </b> Date of Birth : 20/08/2000</p>
<p><b>Place of Birth: </b>Place of Birth: Ambala</p>
<p> <b>Height :</b> 172cm</p>
<p> <b>Weight :</b>57kg</p>
<p><b>Blood Group:</b> O<sup>+</sup></p>
<p><b>Education :</b>BCA final year</p>
<p><b>Contact Number:</b> 7017335516</p>
<b>Educational details </b><br>
<a href="education.html"> Click here </a><br><br>
<b>Hobbies<b><br>
<a href="Hobbies.html"> Click here </a><br><br>
<b>Achievement</b><br>
<a href="Achievement.html"> Click here </a><br><br>
<b>My Ideals </b><br>
<a href="MyIdeals.html"> Click here </a><br>
</body>
</html>
```
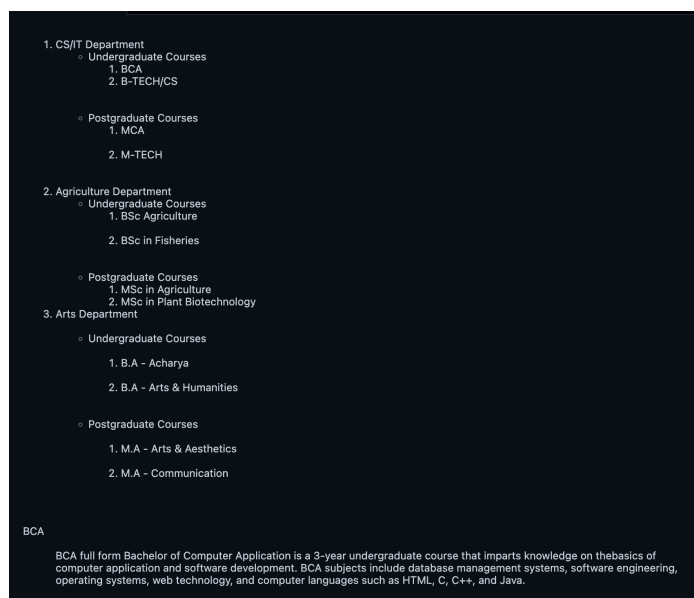
BIODATA

Full Name : Krishant Chauhan

Date of Birth : Date of Birth : 20/08/2000

Place of Birth: Place of Birth: Ambala

Height : 172cm

Weight : 57kg

Blood Group: O^+

Education : BCA final year

Contact Number: 7017335516

Educational details
Click here

Hobbies
Click here

Achievement
Click here

My Ideals
Click here

Q2:-Create a web page to display departments and course information, using ordered and unordered lists. Also describe the course information, using appropriate list types.

```html
<!DOCTYPE html>
<html >
<head>
<title>Department & Courses</title> </head>
<body>
<ol><li>CS/IT Department</li> <ul><li>Undergraduate Courses</li> <ol><li>BCA</li>
<li>B-TECH/CS</li>
</ol></ul>
<ul><li>Postgraduate Courses</li> <ol><li>MCA</li>
<li>M-TECH</li>
</ol></ul>
<li>Agriculture Department</li> <ul><li>Undergraduate Courses</li> <ol><li>BSc
Agriculture</li>
<li>BSc in Fisheries</li>
</ol></ul>
<ul><li>Postgraduate Courses</li> <ol><li>MSc in Agriculture</li> <li>MSc in Plant
Biotechnology</li> </ol></ul> <li>Arts Department</li>
<ul><li>Undergraduate Courses</li>
<ol><li>B.A - Acharya</li>
<li>B.A - Arts & Humanities</li>
</ol></ul>
<ul><li>Postgraduate Courses</li>
<ol><li>M.A - Arts & Aesthetics</li>
<li>M.A - Communication</li>
</ol></ul></ol>
<!-- Courses Information-->
<dl><dt>BCA</dt>
<dd>BCA full form Bachelor of Computer Application is a 3-year undergraduate course
that imparts knowledge on thebasics of computer application and software development.
BCA subjects include database management systems, software engineering, operating
systems, web technology, and computer languages such as HTML, C, C++, and Java.</dd></dl>
</body></html>
```

Q3. Design a web page with the following:
i) To embed an image map in a web page
ii) To fix the hot spots
iii) Show all the related information when the hot spots are clicked.

```
<html>
<head>
<title> image map </title>
</head>
<body>
<img src="flower.jpg" alt="flowers" usemap="#workmap"> <map name="workmap"> <area
shape="rect" coords="34,44,270,350" alt="google" href="www.google.com"> <area shape="rect"
coords="290,172,333,250" alt="youtube" href="www.youtube.com"> <area shape="circle"
coords="337,300,44" alt="facebook" href="www.facebook.com"> </map> </body> </html>
```

Q4. **Design a web page of your department and create internal hyperlinks in MCA, BCA, and Bsc.IT, also create links on the words AICTE, and UGC and link them to Wikipedia pages.**

```
<html>
<head>
<title> Department </title>
</head>
<body alink="#54A250" link="#040404" vlink="#F40633"> <a href="#BCA">BCA</a>
<a href="#Bsc.IT">Bsc.IT</a>
<a href="#MCA">MCA</
a><br><br><br><br><br<br><br><br><br><br><br><br><br><br><br><br
><br><br<br><br><br><br><br><br><br><br>
<p><a name="BCA"><mark>This is BCA section </mark></a></
p><br><br><br><br><br><br><br><br><br>
<p><a name="Bsc.IT"><mark>This is Bsc.IT section </mark></a></p>
<br><br><br><b><br><br><br>
<p><a name="MCA"><mark>This is MCA section </mark></a></p>
<br><br><br><a href="https://en.wikipedia.org/?title=AICTE&redirect=no"
target="_blank"> AICTE </a><br><a href="https://en.wikipedia.org/wiki/
University_Grants_Commission_(India)" target="_blank"> UGC </a></body></html>
```

BCA Bsc.IT MCA

This is BCA section

This is Bsc.IT section

This is MCA section

Q5. Design a timetable and display it in tabular format.

```html
<!doctype html>
<html>
<head>
<title> TIMETABLE </title>
</head>
<body>
<table border="1" width="50%"> <caption>SCHOOLOFCOMPUTING</caption>
<caption><b>TIME TABLE JAN-MAY 2023</b></caption> <caption><b>COURSE:MCA1A<b></caption>
<tr>
<th>DAYS</th> <th>9:00-9:55</th> <th>9:45-10:50</th> <th>11:10-12:05</th>
<th>12:05-1:00</th> <th>1:00-1:55</th> <th>1:55-2:50</th> <th>3:10-4:05</th>
<th>4:05-5:00</th> </tr>
<tr> <td><b>MON</b></td>
<td> TMC 101 </td>
<td> TMC 103 </td>
<td> TMC 102 </td>
<td cellspacing="5" rowspan="6">
<center><b>L<br>U<br>N<br>C<br>H<br><br>B<br>R<br>E<br>A<br>K</b></center></td>
<td colspan="3">PMC101 </td> <td></td>
</tr>
<tr>
<td><b>TUE</b></td>
<td> TMC 102 </td>
<td> TMC 103 </td>
<td> TMC 104 </td>
<td></td>
<td colspan="3">PMC102 </td> </tr>
<tr>
<td><b> WED </b></td> <td> TMC 102 </td> <td> TMC 104 </td> <td> TMC 101 </td> <td></td>
<td colspan="2"></td> <td></td>
</tr>
<tr>
<td><b> THUR </b></td> <td> TMC 103 </td>
<td> TMC 102 </td>
<td> TMC 104 </td> <td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><b> FRI </b></td> <td> TMC 101 </td> <td> TMC 104 </td> <td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><b> SAT </b></td> <td>TMC 106 </td>
<td> TMC 105 </td> <td></td>
<td></td>
<td></td>
<td></td> <td></td> </tr>
</table> </body> </html>
```
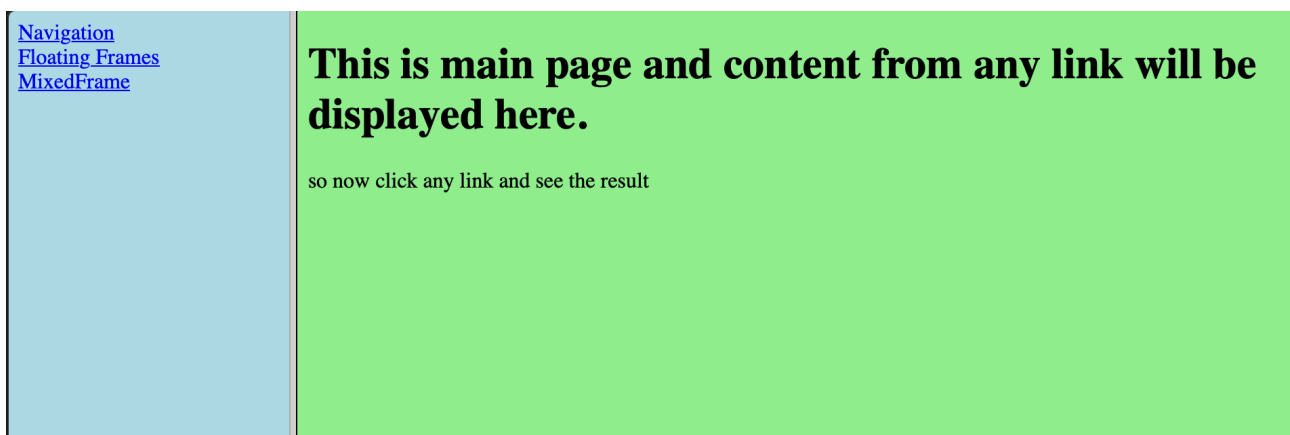
SCHOOLOFCOMPUTING
TIME TABLE JAN-MAY 2023
COURSE:MCA1A

DAYS	9:00-9:55	9:45-10:50	11:10-12:05	12:05-1:00	1:00-1:55	1:55-2:50	3:10-4:05	4:05-5:00
MON	TMC 101	TMC 103	TMC 102	L U N C H B R E A K	PMC101			
TUE	TMC 102	TMC 103	TMC 104			PMC102		
WED	TMC 102	TMC 104	TMC 101					
THUR	TMC 103	TMC 102	TMC 104					
FRI	TMC 101	TMC 104						
SAT	TMC 106	TMC 105						

Q6. (a) an html page named as "frames.html". Divide the page into two columns of 20%, 80% size. In 20% size call the hyperlinks for "navigationframes.html", "floatingframes.html", "mixedframe.html", "noframe" and make the page to be get displayed on the other column when these links are clicked.

```
<!doctype html>
<html>
<head>
<title>Frames</title>
</head>
<frameset cols="20%,80%">
<frame src="Hyperlink.html" name="menu_page">
<frame src="framesmain.html" name="main_page">
</frameset>
<noframes>
<body>
Frames not supported
</body>
</noframes>
<html>
<!doctype html>
<html>
<head>
<title>Frames</title>
</head>
<body bgcolor="lightgreen">
<h1> This is main page and content from any link will be displayed here.</h1>
<p>so now click any link and see the result</p>
</body>
</html>
<!doctype html>
<html>
<head>
<title>Frames</title>
</head>
<body bgcolor="lightblue">
<a href="NavigationFrames.html"target="main_page">Navigation</a><br>
<a href="FloatingFrames.html"target="main_page">Floating Frames</a><br>
<a href="MixedFrame.html"target="main_page">MixedFrame</a><br>
</body> </html>
```


Navigation
Floating Frames
MixedFrame

This is main page and content from any link will be displayed here.

so now click any link and see the result

(b) Create an html page named as "navigationframe.html". Divide the page into two columns of 40%, 60% size. In 40% size call the hyperlink file created in above question, and make the page to be get displayed on the other column when the link is clicked.

<!--navigationframes.html-->

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8"> <title>Navigation Frames</title> </head>

<frameset cols="40%,60%"> <frame src="links.html"/> <frame name="output_frame"/> </frameset>

</html>
```

Q7. **(a) Create a Student registration form as mentioned below and link this form to the form "student information".**
(i) User Id
(ii) Password

(iii) Login

```
<html>
<head>
<title>student registration</title>
</head>
<body>
<form>
<fieldset>
<legend> Student Registration </legend>
<label> <b>User Id: </b></label>
<input type="text" name="userid" required><br>
<label> <b>Password: </b></label>
<input type="password" name="password" required><br> <a href="Studentinformation1.html">
<input type="button" value="Login"></a>
</fieldset>
</form>
</body>
</html>
```
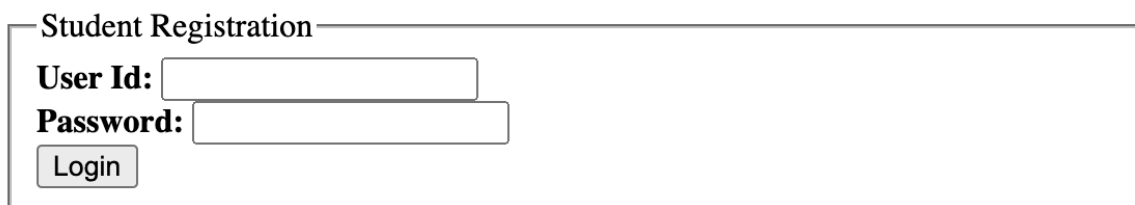
OUTPUT:-

(b) Create another form of name "Student Information" contains information as mentioned below
(i) Name
(ii) Email

(iii) Phone number (iv) Gender
(v) Course
(vi) Hobbies

(vii) Date of birth
(viii) Upload documents (ix) Submit

```html
<html>
<head>
<title>Student Information</title>
</head>
<body>
<form>
<fieldset>
<legend><b>Student Information</b></legend> <label><b>Name:</b></label>
<input type="text" name="Name" required><br> <label><b>Email:</b></label>
<input type="email" name="Email" ><br> <label><b>Phone Number:</b></label>
<input type="tel" name="PhoneNumber"><br> <label><b>Gender:</b></label><br>
Male:<input type="radio" name="gender"><br> Female:<input type="radio"
name="gender"><br> Other:<input type="radio" name="gender"><br> <label><b> Course:</b>
</label>
<select>
<option><value="BCA">BCA</value></option> <option><value="MCA">MCA</value></option>
<option><value="BBA">BBA</value></option> <option><value="Bcom">Bcom</value></
option>
</select><br>
<label><b>Hobbies:</b></label><br>
Reading<input type="checkbox" name="hobby" value="Reading"><br> Cooking<input
type="checkbox" name="cook" value="Cooking"><br> Traveling<input type="checkbox"
name="travel" value="Traveling"><br> Dancing<input type="checkbox" name="dance"
value="Dancing"><br> <label><b> Date of birth:</b></label>
<input type="date" name="DOB"><br> <label> <b>Document:<b></label>
<input type="file" name="document"><br> <input type="submit" value="submit"> </form>
</fieldset> </body> </html>
```

OUTPUT:-

8. Write a program to Use different font styles: In the style definition you define how each selector should work (font, color etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.

CSS Element Selector:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8"> <title>Element Selector</title> <style>
p{
text-align: center;
color: red;
}
</style>
</head>
<body>
<p>This is a paragraph.</p>
</body>
</html>
```

CSS id Selector:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>ID Selector</title>
<style>
#para {
text-align: center;
color: red;
}
</style>
</head>
<body>
<p id="para">This is a paragraph.</p> </body>
</html>
```

CSS Class Selector:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Class Selector</title>
<style>
.para {
text-align: center;
color: red;
}
</style>
</head>
<body>
<p class="para">This is a paragraph.</p> </body>
</html>
```

CSS Universal Selector:

```
<!DOCTYPE html>
```

```
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Universal Selector</title>
<style>
*{
text-align: center;
color: red;
}
</style>
</head>
<body>
<p>This is a paragraph.</p>
</body>
</html>
```

OUTPUT:-

This is a paragraph.

9. Design a web page that displays course information using various Style sheets.

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8"> <title>Course Information</title> <style>
*{
margin: 0;
padding: 0;
}
.card {
display: inline-block; margin: 20px; background-color: wheat; padding-bottom: 10px; border: 1px
solid black;
}
.title {
text-align: center;
}
.description {
text-align: center; padding: 5px;
}
.description h2 {
size: 20px;
}
.button {
text-align: center;
}
.button button { margin-top: 20px; border: 1px solid black; padding: 10px; border-radius: 5px;
cursor: pointer;
}
.button button:hover { background-color: green; color: white;
transition: 0.4s;
}
</style>
</head>
<body>
<!-- BCA card-->
<div class="card">
<div class="title"> <h2>BCA</h2>
</div>
<div class="description">
<h4>Bachelor of Computer Application is a 3-year undergraduate course that imparts knowledge
on
the basics of computer application and software development. BCA subjects include computer
languages such as
HTML, C, C++, and Java.
</h4>
</div>
<div class="button">
<button>Read More</button>
</div>
</div>
<!-- MCA card-->
<div class="card">
<div class="title">
<h2>MCA</h2>
</div>
<div class="description">
<h4>Master of Computer Applications (MCA) is a two-year professional post-graduate
```

programme for candidates
wanting to delve deeper into the world of computer application development with the help of learning modern
programming language
</h4>
</div>
<div class="button">
<button>Read More</button>
</div>
</div>
</body></html>

OUTPUT:-

10. Design a web page to create table and list using CSS also link list items with corresponding pages using the pseudo class.

```
<!--css_table.html-->
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Table using CSS</title>
<style>
table {
border: 2px double black;
border-spacing: 0;
width: 50%;
text-align: center;
font-size: larger;
}
tr:nth-child(even) {
background-color: lightgray;
}
tr:nth-child(odd) {
background-color: maroon;
color: white;
}
table tr td {
margin: 12px;
}
</style>
</head>
<body>
<table>
<tr style="background-color: black; height: 50px"> <th>S No.</th>
<th>Name</th>
<th>Age</th>
<th>Combat Style</th>
</tr>
<tr>
<td>1</td>
<td>Tengen Uzui</td>
<td>23</td>
<td>Sound Breathing</td>
</tr>
<tr>
<td>2</td>
<td>Shinobu Kocho</td>
<td>18</td>
<td>Insect Breathing</td>
</tr>
<tr>
<td>3</td>
<td>Kyojuro Rengoku</td>
<td>20</td>
<td>Flame Breathing</td> </tr>
<tr>
<td>4</td>
<td>Obanai Iguro</td> <td>21</td>
<td>Serpent Breathing</td> </tr>
<tr>
<td>5</td>
<td>Mitsuri Kanroji</td> <td>19</td>
```

<td>Love Breathing</td> </tr>
</table>
</body>
</html>

OUTPUT:-

S No.	Name	Age	Combat Style
1	Tengen Uzui	23	Sound Breathing
2	Shinobu Kocho	18	Insect Breathing
3	Kyojuro Rengoku	20	Flame Breathing
4	Obanai Iguro	21	Serpent Breathing
5	Mitsuri Kanroji	19	Love Breathing

```
<!--css_list.html-->
<!DOCTYPE html> <html lang="en"> <head>
<meta charset="UTF-8"> <title>CSS List</title> <style>
li:hover {
background-color: lightgreen; }
a:link {
color: blue;
}a:visited {
color: blueviolet;
}a:active {
color: violet;}
</style>
</head>
<body>
<p>Courses list:</p>
<ul>
<li><a href="https://en.wikipedia.org/wiki/BCA">BCA</a></li>
<li><a href="https://en.wikipedia.org/wiki/MCA">MCA</a></li>
<li><a href="https://en.wikipedia.org/wiki/
Bachelor_of_Science_in_Information_Technology">BSC.IT</ a></li>
</ul>
</body>
</html>
```

OUTPUT:-

Courses list:

- BCA
- MCA
- BSC.IT

11. Design a web page to move the background image with content of the page and set the one image in top right and image on the top-left position.

<!—background_positioning.html-->
```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Background Positioning</title>
<style>
#div_images, #div_images1 {
background-image: url("Tengen-Uzui-Background-Images.png"); height: 200px;
background-repeat: no-repeat;
}
</style>
</head>
<body style="position: relative">
<div id="div_images">
<p style="position: absolute;
background-color:#000;
color: white;
bottom: 0;
left: 50px;
font-weight: bold">Hello, I'm Tengen Uzui</p>
</div>
<div id="div_images1" style="width: 300px;
position: absolute;
right: 0;
top: 0">
<p style="background-color:#000;
color: white;
position: absolute;
font-weight: bold;
display: flex;
bottom: 0;
left: 50px">Hello, I'm Tengen Uzui</p>
</div>
</body>
</html>
```
OUTPUT:-

12. Create a web page which contains 4 elements (it can be a div or images) use CSS positioning to properly position these elements, you have to show all CSS position values in the web page.

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

<head>
   <title>Positioning</title>
   <style>
      .container {
         height: 3500px;
         border: 2px solid green;
         position: relative;
      }
      .box {
         height: 200px;
         width: 200px;
         border: 2px solid;
         margin: 4px;
      }
      #b1 {
         background-color: Red;
         position: sticky;
         top: 20px;
      }
      #b2 {
         background-color: Yellow;
         position:relative;
         left: 50px;
      }
      #b3 {
         background-color: green;
         position: fixed;
         bottom: 80px;
         right: 80px;
      }

      #b4 {
         background-color: pink;
      }
   </style>
</head>

<body>
   <div class="container">
      <div class="box" id="b1">div 1 </div>
      <div class="box" id="b2">div 2 </div>
      <div class="box" id="b3">div 3 </div>
      <div class="box" id="b4">div 4 </div>
   </div>
</body>

</html>
```
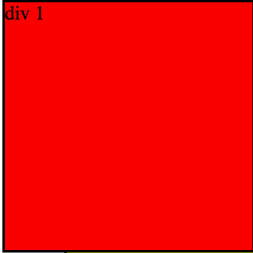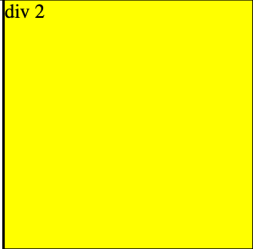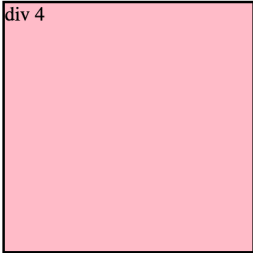
div 1

div 2

div 4

div 3