Q1. A Program to illustrate Order List and Unordered List in a proper way.

Objective: To make use of the <ul> and <ol> tags to create lists in HTML.

```
<html>
<body>
<h1>Design the webpage by using Ordered list, Unordered List and description list</h1>
<h6 align="center">To illustrate Nested List Tags</h6>
<hr color="red">

<ol>
<li>Coffee</li>
<li>Tea</li>
<ol type=a>
<li>Black Tea</li>
<li>Green Tea</li>
<ol type=i>
<li>China</li>
<li>Africa</li>
</ol>
</ol>
</ol>
<hr color="red">

<ul>
<li>Coffee</li>
<li>Tea</li>
<ul type=circle>
<li>Black Tea</li>
<li>Green Tea</li>
<ul type=square>
<li>China</li>
<li>Africa</li>
</ul>
</ul>
<li>Himachal Pradesh</li>
</ul>
<hr color="red">

<dl>
<dt>Lucknow</dt>
<dd>Capital City of UP</dd>
<dt>Dehradun</dt>
<dd>Capital city of Uttrakhand</dd>
</dl>

</body>
</html>
```

Q2. A Program to illustrate Img tag, and Hyper Link tag in a proper way and make clickable image

Objective: To make use of the <img> and <a> tags to clickable image in HTML.

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
</head>
<body>
  <h1>A Program to illustrate Img tag, and Hyper Link tag in a proper way and make clickable image </h1>

  <p>This is a <a href="" style="font-size: 20px;">Hyperlink</a></p>

  <h3>Now a clickable image........</h3>
  <a href=""><img src="https://www.shutterstock.com/image-illustration/perfect-anime-image-be-used-600w-1968490054.jpg" alt="Anime"></a>
</body>
</html>
```

Q3. A Program to illustrate current semester timetable using table tag.

Objective: To make use of the <table>, <tr>, <td>, and <th> tags to create the semester time table in HTML.

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<h1 align="CENTER">GRAPHIC ERA DEEMED TO BE UNIVERSITY</h1>
<h1 align="CENTER">TIME TABLE (V SEMESTER) - BCA SECTION A+B</h1>
<h1 align="CENTER">ACADEMIC YEAR-2022-23</h1>
<table border="3" align="center">
        <hr>
        <tr>
                <th>Day</th>
                <th>8:00-9:00</th>
                <th>9:00-9:55</th>
                <th>9:55-10:50</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>
                <th>5:00-6:00</th>
        </tr>
        <tr>
                <th>Monday</th>
                <th>Sports</th>
                <th>luib</th>
                <th>Swaym</th>
                <th>NPTL</th>
                <th rowspan="7">Lunch</th>
                <th>TBC 503</th>
                <th>TBC 503 </th>
                <th>TBC 502 </th>
                <th>TBC 502</th>
        </tr>
        <tr>
                <th>Tuesday</th>
                <th>Sports</th>
                <th>luib</th>
                <th>Swaym</th>
                <th>NPTL</th>
                <th colspan="2">TBC 503</th>
```

Q4. A Program to illustrate frameset by dividing the screen according to your requirement and display a complete webpage in a proper format

Objective: To make use of the <frameset>, <frame> tags to create webpage in HTML.

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Website</title>
</head>
<frameset rows="10%,*,6%">
  <frame name="first" src="extra/Top.html">
    <frameset cols="11%,*,13%">
        <frame name="left" src="extra/Courses.html" noresize>
      <frameset rows="*,4%">
        <frame name="main" src="" noresize>
          <frame name="News" src="extra/News.html" noresize>
      </frameset>
          <frame name="right" src="extra/Notification.html" noresize>
    </frameset>
    <frame name="bottom" src="extra/footer.html" noresize>
</frameset>
</html>
```

Courses

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
  <style>
    .courses ul{
      padding: 25px;
    }
  </style>
</head>
<body>
  <div class="courses">
  <h1>Courses:-</h1>
    <ul>
      <li><a href="" target="main">BCA</a></li>
      <li><a href="" target="main">B.Com</a></li>
      <li><a href="" target="main">Btech</a></li>
      <li><a href="" target="main">BBA</a></li>
      <li><a href="" target="main">LB</a></li>
```

Q5. A Program to illustrate graphic era university enquiry form using form tag and input controls

Objective: To make use of the <form>, <input>, <label>, and <table> tags to create the GEU enquiry form in HTML.

```html
<!DOCTYPE html>
<html>
  <head>
    <title>Enquiry Form</title>
    <style>
      .a {
        font-weight: bold;  font-size: 25px;
      }
      .b {   font-size: 10px;
      }
      .c {float: right;
      }
      .d {
        text-decoration: overline; float: right;
      }
    </style>
  </head>
  <body>
    <center><img class="pic" src="GEU Logo.png" alt="College Logo"></center>
    <br><br>
    <p><span class="a">ENQUIRY FORM</span> <span class="b">USE CAPITAL LETTERS ONLY</span>
<span class="c">Date <input type="date"></span></p>
    <hr>
    <form>
      <label for="CN">1. Candidate's Name:</label>
      <input type="text" name="CN" size="113">
      <br><br>
      <label for="FN">2. Father's Name:</label>
      <input type="text" name="FN" size="116">
      <br><br>
      <label>3. Gender</label>
      <label for="yes">   Male</label>
      <input type="checkbox" name="yes">
      <label for="no">   Female</label>
      <input type="checkbox" name="no">
      <br><br>
      <label for="Aoc">4. Address for Correspondence:</label>
      <input type="text" name="Aoc" size="102">
      <br><br>
      <input type="text" name="Aoc" size="132">
```

Q6. A Program to design your previous semester mark sheet

Objective: To make use of the <table>,<tr>,<td> tags to previous semester mark sheet in HTML.

```html
<!DOCTYPE html>
<html lang="en">
<head><title>Marksheet</title>
   <style>
     body
     {
        background-color: white;
        margin-top: -150px;
     }
     span
     {
        padding-left: 100px;
     }
     #qrcode
     {
        float: right;
        margin-right: 100px;
     }
     #logo
     {
        width: 10%;
        position: relative;
        right: 500px;
        top: 170px;
     }
     .s1
     {
        padding: 0 400px 0 20px;
     }
   </style>
</head>
<body>
   <center>
     <img src="logo.jpg" alt="" id="logo">
     <h1>
        Graphic Era (Deemed to be) University
        <h4>Bell Road, Clement Town Dehradun, Uttarakhand India -248002 <br> www.geu.ac.in</h4>
     </h1>
     <h3>
        STATEMENT OF MARKS(PROVISIONAL) <br>
```

Q7. A Program to implement pseudo elements in HTML

Objective: To make use of the Pseudo elememts on css.

```
<html>
<head>
  <style>
        p::first-letter { font-size: 24px;color: red;}
    p::first-line { color: red;}
    p::before { content: " *************";}
    p::after { content: "*************";}
    a:active{ font-size:24px; }
    a:visited{color: green;}
    a:link{color: red;}
    a:hover{color: black;}
    </style>
</head>
<body>
    <p> Hello,This is a example of the pseudo code.Hello,This is a example of the pseudo code.Hello,This
is a example of the pseudo code.Hello,This is a example of the pseudo code.Hello,This is a example of
the pseudo code.Hello,This is a example of the pseudo code.
    </p>

    <a href="">Click here</a>
</body>
</html>
```

Q8. A Program to implement following CSS properties in HTML

 a. CSS Background

 b. CSS Padding

 c. Word wrap

 d. White Space

Objective: To make use of the css background,padding,word wrap,whitespace tags in css.

```
<!DOCTYPE html>
<html>
  <head>
    <title>CSS Properties</title>
    <style>
      #a {
         background-color: white;
         background-repeat: repeat-x;
         background-position: top;
         background-attachment: fixed;
         background-image: url(background.jpg);
      }
      div.A {
         border: 5px solid black;
         background-color: tomato;
         padding-top: 50px;
         padding-right: 50px; padding-bottom: 80px;
         padding-left: 100px;
         width: 200px;
         height: 0px;
      }
      div.B {
         width: 50px; border: 1px solid;
      }
      div.C {
         width: 50px;  border: 1px solid;
         margin-left: 150px; margin-top: -190px;
      }
      p.c {
         word-wrap: normal;
      }
      p.d {
         word-wrap: break-word; }
```

Q9. A Program to implement display property using external css.

Objective: To make use external css .

```html
<html>
<head>
  <title>Patani</title>
  <link rel="stylesheet" href="css.css">
</head>
<body>
  <div class="inline">
    <p>Name</p>
    <p>Roll Number</p>
    <p>DOB</p>
    <p>Course</p>
  </div>

  <div class="block">
    <p>Name</p>
    <p>Roll Number</p>
    <p>DOB</p>
    <p>Course</p>
  </div>

  <div class="none">
    <p>Name</p>
    <p>Roll Number</p>
    <p>DOB</p>
    <p>Course</p>
  </div>

</body>
</html>
```

Q10. A Program to implement float and visibility property using internal CSS.

Objective: To make use float & visibility property in css .

```
<!DOCTYPE html>
<html lang="en">
<head>
   <style>
     .one{
        float: right;
     }
     .two{
        float: middle;
     }
     .center{
        text-align: center;
     }
     p{
        font-size: 30px;
     }
   </style>
   <title>Document</title>
</head>
<body>
   <h1 class="center">Program to implement float and visibility property using internal CSS</h1>
   <p class="center">This is the example of visibility property.</p>
   <p style="visibility: hidden;">Thank You</p>
   <p><img src="https://i.pinimg.com/564x/af/1c/30/af1c30d6d881d9447dec06149f61d2f9.jpg" alt=""
class="one" width="400px" height="400px"></p>
   <p><img
src="https://as1.ftcdn.net/v2/jpg/04/49/19/08/1000_F_449190831_i2whvIQdDIGtuIVWT6QfenWwmRA
pVJ5l.jpg" alt="" class="two" width="400px" height="400px"></p>
   <p class="center">Example of float....</p>

</body>
</html>
```

Q11. A Program to design 8 paragraphs with different border style.

Objective: To make use border attributes of border style in css .

```
<!DOCTYPE html>
<html lang="en">
<head>
  <style>

  </style>
  <title>Document</title>
</head>
<body>
  <h1>These are the example for the border style..........</h1>

  <p style="border-style: dotted;" >These are the example for the border style</p>

  <p style="border-style: dashed;">These are the example for the border style</p>

  <p style="border-style: solid;" >These are the example for the border style</p>

  <p style="border-style: double;">These are the example for the border style</p>

  <p style="border-style: groove;" >These are the example for the border style</p>

  <p style="border-style: ridge;">These are the example for the border style</p>

  <p style="border-style: inset;" >These are the example for the border style</p>

  <p style="border-style: hidden;">These are the example for the border style</p>
</body>
</html>
```

Q14. Write a JavaScript code to check number is prime or not and input is taken by HTML text field.

Objective: To make use of onclick(),DOM to check prime number.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Prime</title>
    <script>
      function prime()
      {
        var n = parseInt(document.getElementById("value1").value);
        var i = 0, count = 0;
        for (i = 2;i < n-1;i++)
        {
          if(n % i == 0)
          count++;
          break;
        }
        if (count!=0)
          alert ("Not Prime");
        else
          alert ("Prime")
      }
    </script>
  </head>
  <body>
    <form>
      Enter a Number = <input type="text" id="value1">
      <input type="button" name="Sumbit" value="Click here" onclick="prime()"/>
    </form>
  </body>
</html>
```

Q15. Write a JavaScript code to copy one text field value into another text Field.

Objective: To make use of onclick(),DOM to copy text from 1field to another.

```html
<html>
  <head>
    <title>Copy</title>
    <script>
      function show(a)
      {
         a.t2.value = a.t1.value;
      }
    </script>
  </head>
  <body>
    <form>
      <input type="text" name="t1">
      <input type="text" name="t2" readonly>
      <input type="button" value="Click" onclick="show(this.form)">
    </form>
  </body>
</html>
```

Q16. Write a JavaScript code to validate whether username and password is correct or not and validate that no field should left bank.

Objective: To make use of onclick(),DOM on form to check name and password.

```
<html>
  <head>
    <title>Validation</title>
    <script>
      function validate()
      {
        var name=document.myform.name.value;
        var contact=document.myform.contact.value;
        var cou=document.myform.course.value;
        var g1=document.myform.gender[0].value;
        var g2=document.myform.gender[1].value;
        if (name==null || name=="")
        {
          alert("Name can't be blank");
          return false;
        }
        if(contact.length<10)
        { alert("contact must be at least 10 characters long.");  return false;
        }
        if(cou=="select")
        { alert("please select course"); return false;
        }
        if(g1.checked == false || g2.checked == false)
        {  alert("please select course");    return false;
        }
      }
      function onlyAlphabets(e, t)
      {
        try {
          if (window.event) {
            var charCode = window.event.keyCode;
          }
          else if (e) {
            var charCode = e.which;
          }
          else {
            return true;
          }
```

Q17. Write a JavaScript code to change size of image.

Objective: To make use of onclick(),DOM to change image size.

```html
<html>
<head>
		<script type="text/javascript">
			function large()
			{
				var a=document.getElementById("pic");
				a.style.width="400px";
			}
			function small()
			{
				var a=document.getElementById("pic");
				a.style.width="100px";
			}
</script>
	</head>
	<body>
		<form>
			<img  id="pic" src="lp.jpg"  style="width:150px;height:150px;"/><br/><br/>
			<input  type="button" value="max" onclick="large()"/>
			<input type="button" value="min" onclick="small()" />
		</form>
	</body>
</html>
```

Q18. Write a JavaScript to change the color of a paragraph.

Objective: To make use of onclick(),DOM to change color of paragraph.

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

<h2 id="myH2">This is an example h2</h2>
<p id="myP">This is an example paragraph.</p>
<p id="myP2">This is also an example paragraph.</p>
<div id="myDiv">This is an example div.</div>
<br>

<button type="button" onclick="myFunction()">Set text color</button>

<script>
function myFunction() {
  document.getElementById("myH2").style.color = "#ff0000";
  document.getElementById("myP").style.color = "magenta";
  document.getElementById("myP2").style.color = "blue";
  document.getElementById("myDiv").style.color = "lightblue";
}
</script>

</body>
</html>
```