



WEB TECHNOLOGIES

PRACTICAL NOTE BOOK

SUBMITTED TO : GURU NANAK
DEVENGINEERING COLLEGE (PTU
AFFILIATED INSTITUTE) FOR THE COURSE
INFORMATION TECHNOLOGY

{BATCH 2019-2023}

| SUBMITTED TO | SUBMITTED BY |
|---------------------|-----------------------------|
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| INFORMATION | 1921030/1905328 |
| TECHNOLOGY | |

EXPERIMENT-1

Create a simple web pages by writing HTML using a simple text editor,notepad.Demonstrate the following components of the web page: page title and headings paragraph and inline images.

SOL: <html>

<head>

<title>First Practical</title>

<style>

 p{

 font-size: 30px;

 }

 h1{

 text-align: center;

 }

 body{

 background-color: #A57DE6;

 }

 h2{

 font-size: 50px;

 }

</style>

<body>

<h1>THIS IS MY FIRST PRACTICAL</h1>

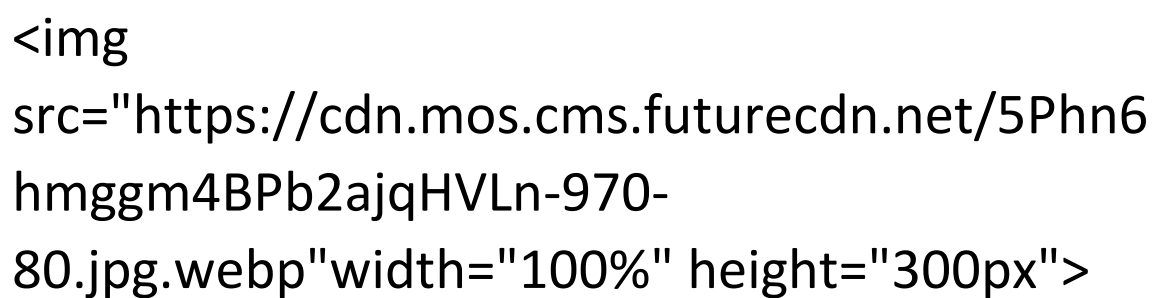
<p style="font-size: 40px;">Adobe software list:
Which apps do you need?</p>

<h2> Adobe Photoshop</h2>

<p>Photoshop can be used, for example, to edit and compose raster images, graphics and text in multiple layers; edit and render text and vector graphics; and create and edit 3D graphics and video. This wide range of capabilities means that Photoshop is not just used by photographers and photo retouchers, but also by digital artists, graphic designers and art directors, and even, increasingly, by 3D designers and VFX artists. </p>

<h2>Adobe Illustrator</h2>

While Photoshop has wide and ever-expanding capabilities, Illustrator is much more focused on a specific tasks. It's essentially a drawing programme based on vector graphics (which contain less detail than raster graphics and are infinitely scalable). As the name might suggest, Illustrator is most commonly used by artists, illustrators and graphic designers, to create everything from simple graphics, such as logos, icons and infographics, to complex illustrations, and everything in-between. Illustrator for the iPad has also recently been released. You can read our review of Illustrator CC [here](https://cdn.mos.cms.futurecdn.net/5Phn6hmggm4BPb2ajqHVLn-970-80.jpg.webp).



Adobe InDesign CC

InDesign is a page layout tool that's used primarily for print, but also has digital publishing capabilities. The industry standard tool for the publishing industry, it's typically

used by graphic designers and production artists to create posters, flyers, brochures, magazines, newspapers, presentations, books and ebooks.</p>

```

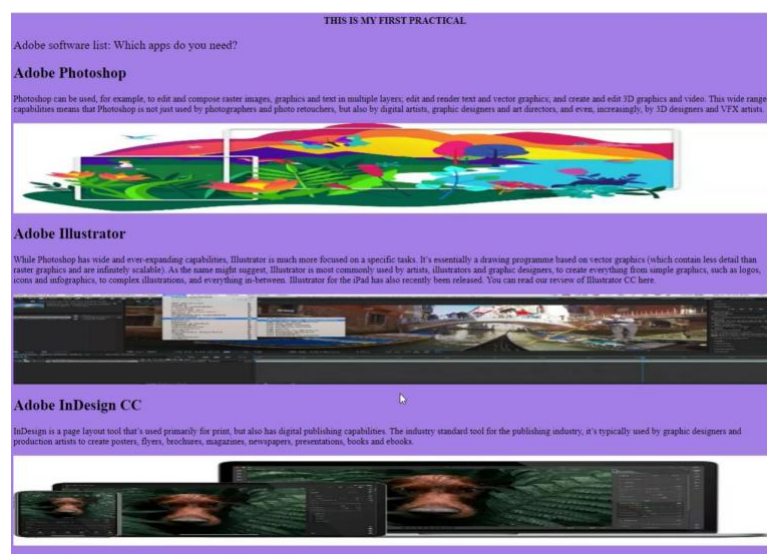
```

```
</body>
```

```
</head>
```

```
</html>
```

OUTPUT :



EXPERIMENT-2

Demonstrate the use of links, links and tables in html. You should be able to link separate pages and create named links within a document, using them to build a “table of contents”.

SOL: <!DOCTYPE html>

<html>

<head>

<style>

table {

border-collapse: collapse;

width: 100%;

color: #ffff;

font-size: 20px;

}

td, th {

```
border: 1px solid #020202;

text-align: left;

padding: 10px;

}

</style>

</head>

<body style="background-color: #1A5276;">

    <h1 style="text-align: center; font-family:
Helvetica; color: #ffff;"> MY PC Components
Price List</h1>

<table>

<tr>

<th>Components</th>

<th>PRICE LIST</th>

</tr>

<tr>
```

<th> Processor(i3 3rd Gen)</th>

<th>2050</th>

</tr>

<tr>

<th>H-61 Motherboard</th>

<th>3350</th>

</tr>

<tr>

<th>RAM DDR3(4GB)</th>

<th>1500</th>

</tr>

<tr>

<th>Cabinet</th>

<th>1450</th>

</tr>

<tr>

<th>Wifi Adapter</th>

<th>400</th>

</tr>

<tr>

<th>Intel Processor Fan</th>

<th>300</th>

</tr>

<tr>

<th>500GB Hard Disk</th>

<th>1650</th>

</tr>

<tr>

<th>Total Price</th>

```

        <th>10700</th>

</tr>

</table><br><br>

<a href="https://www.techquila.co.in/best-
gaming-pc-build-under-rs-40000-in-india-
1080p-60-fps-in-pubg-and-cs-go-updated-
2020/" style="color: #ffff; padding-left: 200px;
">Link To Building Gaming PC Under Rs
40000</a>

</body>

</html>

```

OUTPUT :

| MY PC Components Price List | |
|---|------------|
| Components | PRICE LIST |
| Processor(I3 3rd Gen) | 2050 |
| H-61 Motherboard | 3350 |
| RAM DDR3(4GB) | 1500 |
| Cabinet | 1450 |
| Wifi Adapter | 400 |
| Intel Processor Fan | 300 |
| 500GB Hard Disk | 1650 |
| Total Price | 10700 |
| Link To Building Gaming PC Under Rs 40000 | |

EXPERIMENT-3

Create a simple forms in HTML and demonstrate the use of various form elements like input box, text area, submit and radio buttons etc.

SOL: :<!DOCTYPE html>

```
<html lang="en-us">
```

```
<head>
```

```
<title>Patient Admit form</title>
```

```
</head>
```

```
<body style="background-color: #D0D3D4;">
```

```
<h1 style="color:#000; font-  
family:Arial;"><center><b>Patient Admit  
Form.</b></center>
```

```
</h1>
```

```
<form action="" method="post">
```

```
<form action="/action_page.php">
```

<label for="fname" >First name :

</label>

<input type="text" id="fname" name="fname"

value="" >

<label for="lname" >Last name :

</label>

<input type="text" id="lname" name="lname"

value="" >

<label for="email" >Blood Group: </label>

<input type="text" id="Blood Group"

name="Blood Group" value="">

<label for="cont" >Contact No. :

</label>

<input type="text" id="cont" name="cont"

value="">

<label for="gender" >Gender : </label>

<input type="text" id="gender" name="gender"

value="">


```
<label for="loc" >Weight : </label>
```

```
<input type="text" id="Weight" name="Weight"  
value=""><br><br><br>
```

```
<label for="lname" >Height :
```

```
</label>
```

```
<input type="text" id="Height" name="Height"  
value=""><br><br><br>
```

```
<input type="submit" value="Submit"  
><br><br><br>
```

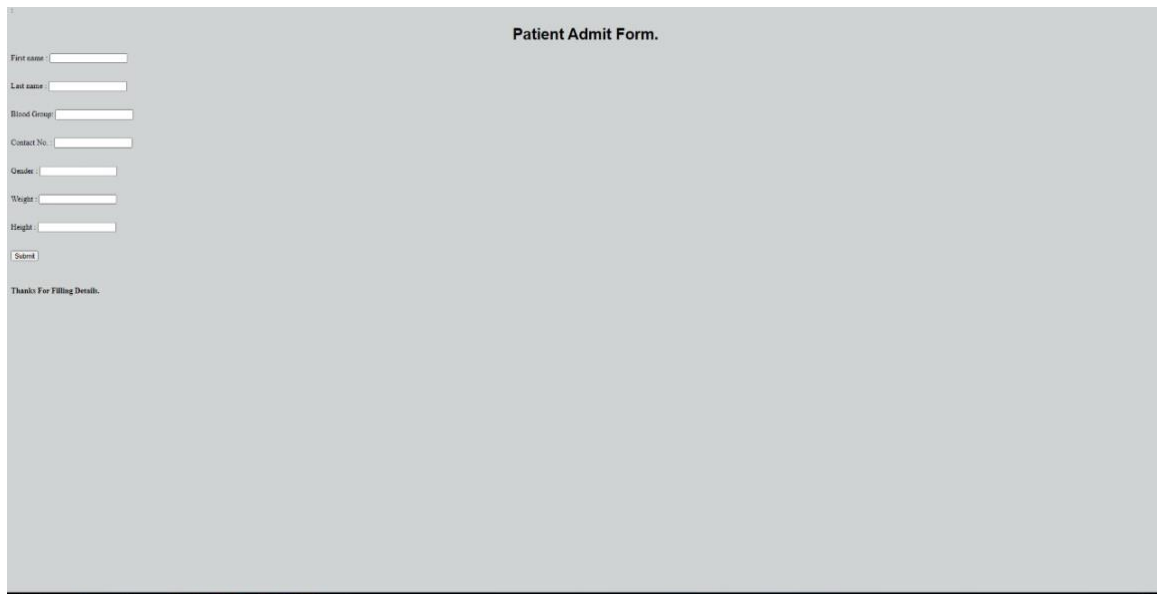
```
</form>
```

```
<p style="color: #000;"><b>Thanks For Filling  
Details.</b></p>
```

```
</body>
```

```
</html>
```

OUTPUT :



The screenshot shows a web form titled "Patient Admit Form." on a light gray background. On the left side, there is a vertical stack of input fields with labels: "First name:", "Last name:", "Blood Group:", "Contact No.", "Gender:", "Weight:", and "Height:". Each label is followed by a white rectangular input box. Below these fields is a "Submit" button. At the bottom left, there is a small text message: "Thanks For Filling Details."

EXPERIMENT-4

Demonstrate the use of cascading style sheets(CSS) (inline, internal and external) to specify various aspects of style, such as colours and text fonts and sizes, in HTML document.

SOL: <!DOCTYPE html>

<html lang="en-us">

<head>

```
<link rel="stylesheet" type="text/css"
href="my css/gunvir4.css" >
```

```
<title>Types Of CSS</title>
```

```
<style >
```

```
body{
```

```
background-color: #ebb052;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1 style="font-size: 30px; text-align:
center;">Different Forms Of
CSS(Inline,Internal,External)</h1>
```

```
<h2>How To Login On Websites
Without Email Address.</h2>
```

<p>I Am Providing Two Websites
Links Which Provides Fake Email
Address.</p>

<p>Forget about spam, advertising
mailings, hacking and attacking
robots. Keep your real mailbox clean
and secure. Temp Mail provides
temporary, secure, anonymous, free,
disposable email address.</p>

<a href="https://temp-
mail.org/en/">Temp Mail

<a
href="http://www.fakemailgenerator
.com/">Fake Email Generator

</body>

</html>

(CSS FILE)

p{

font-size: 20px;

font-family: Courier New;

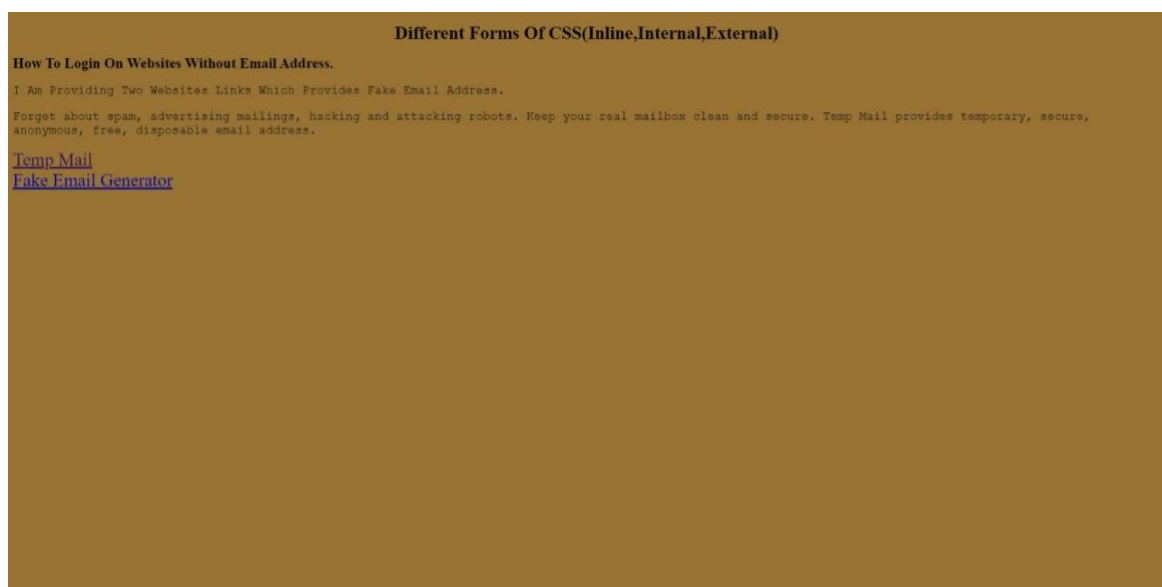
}

a{

font-size: 30px;

}

OUTPUT:



EXPERIMENT-5

Create of web pages using HTML5 & CSS3.

SOL: <html lang="en">

<head>

<link rel="stylesheet"
type="text/css" href="my
css/fifth.css" >

<title>Games</title>

</head>

<body>

<h1>Best Games For Live Stream
In 2021

</h1>

<table>

<tr>

<th>Game Name</th>

<th>Game Logos</th>

<th>Details</th>

</tr>

<tr>

<th><p style="font-size: 30px;">Pubg</p></th>

<th></th>

<th><p>PlayerUnknown's Battlegrounds (PUBG) is an online multiplayer battle royale game

developed and published by PUBG Corporation, a subsidiary of South Korean video game company Bluehole. The game is based on previous mods that were created by Brendan "PlayerUnknown" Greene for other games, inspired by the 2000 Japanese film Battle Royale, and expanded into a standalone game under Greene's creative direction. In the game, up to one hundred players parachute onto an island and scavenge for weapons and equipment to kill others while avoiding getting killed themselves. The available safe area of the game's map decreases in size over time, directing surviving players into tighter areas to force

encounters. The last player or team standing wins the round.</p></th>

</tr>

<tr>

<th><p style="font-size: 30px;">Call Of Duty Mobile</p></th>

<th></th>

<th><p>Call of Duty: Mobile is a free-to-play shooter video game developed by TiMi Studios and

published by Activision for Android and iOS. Released on 1 October 2019, the game saw one of the largest mobile game launches in history, generating over US\$480 million with 270 million downloads within a year.

MineCraft

The Minecraft logo, featuring the word "MINECRAFT" in a stylized, blocky font. The letters are white with a black outline, and the background is a dark, textured surface.

| |
|--|
| <p>Minecraft is a video game in which players create and break apart various kinds of blocks in three-dimensional worlds. The game's two main modes are Survival and Creative. In Survival, players must find their own building supplies and food. They also interact with blocklike mobs, or moving creatures.</p> |
|--|

CSS FILE

```
h1{  
    font-family: Perpetua;  
    text-align: center;  
}
```

```
p{  
    font-size: 15px;  
    font-family: Didot;  
}
```


OUTPUT:

| Best Games For Live Stream In 2021 | | |
|------------------------------------|---|--|
| Game Name | Game Logos | Details |
| Pubg |  | PlayerUnknown's Battlegrounds (PUBG) is an online multiplayer battle royale game developed and published by PUBG Corporation, a subsidiary of South Korean video game company Bluehole. The game is based on previous mods that were created by Brendan "PlayerUnknown" Greene for other games, inspired by the 2000 Japanese film Battle Royale, and expanded into a standalone game under Greene's creative direction. In the game, up to one hundred players parachute onto an island and scavenge for weapons and equipment to kill others while avoiding getting killed themselves. The available safe area of the game's map decreases in size over time, directing surviving players into tighter areas to force encounters. The last player or team standing wins the round. |
| Call Of Duty Mobile |  | Call of Duty: Mobile is a free-to-play shooter video game developed by TiMi Studios and published by Activision for Android and iOS. Released on 1 October 2019, the game saw one of the largest mobile game launches in history, generating over US\$490 million with 270 million downloads within a year. |
| MineCraft |  | Minecraft is a video game in which players create and break apart various kinds of blocks in three-dimensional worlds. The game's two main modes are Survival and Creative. In Survival, players must find their own building supplies and food. They also interact with blocklike mobs, or moving creatures. |

EXPERIMENT -6

Demonstrate the use of Bootstrap framework.

SOL: <!doctype html>

<html lang="en">

<head>

<!-- Required meta tags -->

<meta charset="utf-8">

```
<meta name="viewport"
content="width=device-width, initial-
scale=1, shrink-to-fit=no">
```

```
<!-- Bootstrap CSS -->
```

```
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.
com/bootstrap/4.1.3/css/bootstrap.
min.css"
```

```
integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt2
7NXFoaoApmYm81iuXoPkFOJwJ8ERd
knLPMO" crossorigin="anonymous">
```

```
<title>Practical 6</title>
</head>
```

```
<body>
```

```
  <nav class="navbar navbar-expand-  
lg navbar-dark bg-dark">
```

```
    <a class="navbar-brand"  
href="#">WTP</a>
```

```
    <button class="navbar-toggler"  
type="button" data-toggle="collapse"  
data-
```

```
target="#navbarSupportedContent"
```

```
    aria-  
controls="navbarSupportedContent"  
aria-expanded="false" aria-  
label="Toggle navigation">
```

```
      <span class="navbar-toggler-  
icon"></span>
```

```
    </button>
```

```
<div class="collapse navbar-collapse"
id="navbarSupportedContent">
```

```
<ul class="navbar-nav mr-auto">
```

```
<li class="nav-item active">
```

```
<a class="nav-link"
href="#">Home <span class="sr-only">(current)</span></a>
```

```
</li>
```

```
<li class="nav-item">
```

```
<a class="nav-link"
href="#">About</a>
```

```
</li>
```

```
<li class="nav-item
dropdown">
```

```
<a class="nav-link  
dropdown-toggle" href="#"  
id="navbarDropdown" role="button"  
data-  
toggle="dropdown" aria-  
haspopup="true" aria-  
expanded="false">
```

Types Of Climates

```
</a>
```

```
<div class="dropdown-  
menu" aria-  
labelledby="navbarDropdown">
```

```
<a class="dropdown-  
item" href="#">HTML</a>
```

```
<a class="dropdown-  
item" href="#">CSS</a>
```

```
<div class="dropdown-  
divider">JavaScript</div>
```

```
<a class="dropdown-  
item" href="#">Jquery</a>
```

```
<a class="dropdown-  
item" href="#">Ajax</a>
```

```
<div class="dropdown-  
divider"></div>
```

```
<a class="dropdown-  
item" href="#">PHP</a>
```

```
<a class="dropdown-  
item" href="#">Bootstrap</a>
```

```
</div>
```

```
</li>
```

```
<li class="nav-item">
```

```
        <a class="nav-link"
href="#">Contact Us</a>

    </li>

</ul>

<form class="form-inline my-2
my-lg-0">

    <input class="form-control
mr-sm-2" type="search"
placeholder="Search" aria-
label="Search">

    <button class="btn btn-
outline-success my-2 my-sm-0"
type="submit">Search</button>

</form>

</div>

</nav>
```

```
<div
id="carouselExampleIndicators"
class="carousel slide carousel-fade"
data-ride="carousel">

  <ol class="carousel-indicators">

    <li data-
target="#carouselExampleIndicators"
data-slide-to="0" class="active"></li>

    <li data-
target="#carouselExampleIndicators"
data-slide-to="1"></li>

    <li data-
target="#carouselExampleIndicators"
data-slide-to="2"></li>

  </ol>

  <div class="carousel-inner">
```



```
<div class="carousel-item  
active">
```

```

```

```
<div class="carousel-caption  
d-none d-md-block">
```

```
<h2>Nature</h2>
```

```
<p>Nature, in the  
broadest sense, is the natural,  
physical, material world or universe.  
"Nature" can refer to the phenomena  
of the physical world, and also to life  
in general. ... Although humans are  
part of nature, human activity is often
```

understood as a separate category
from other natural phenomena.</p>

<button class="btn btn-
danger">Climate Changes</button>

<button class="btn btn-
primary">Importance Of
Nature</button>

<button class="btn btn-
success">Learn More</button>

</div>

</div>

<div class="carousel-item">


```
<div class="carousel-caption  
d-none d-md-block">
```

```
<h2>Nature</h2>
```

```
<p>Nature, in the  
broadest sense, is the natural,  
physical, material world or universe.  
"Nature" can refer to the phenomena  
of the physical world, and also to life  
in general. ... Although humans are  
part of nature, human activity is often  
understood as a separate category  
from other natural phenomena. </p>
```

```
<button class="btn btn-  
danger">Climate Changes</button>
```

```
<button class="btn btn-  
primary">Importance Of  
Nature</button>
```

```
<button class="btn btn-  
success">Learn More</button>
```

```
</div>
```

```
</div>
```

```
<div class="carousel-item">
```

```

```

```
<div class="carousel-caption  
d-none d-md-block">
```

```
<h2>Nature</h2>
```

```
<p>Nature, in the  
broadest sense, is the natural,  
physical, material world or universe.  
"Nature" can refer to the phenomena
```

of the physical world, and also to life in general. ... Although humans are part of nature, human activity is often understood as a separate category from other natural phenomena.</p>

<button class="btn btn-danger">Climate Changes</button>

<button class="btn btn-primary">Importance Of Nature</button>

<button class="btn btn-success">Learn More</button>

</div>

</div>

</div>

```
<a class="carousel-control-prev"
href="#carouselExampleIndicators"
role="button" data-slide="prev">
```

```
<span class="carousel-control-
prev-icon" aria-
hidden="true"></span>
```

```
<span class="sr-
only">Previous</span>
```

```
</a>
```

```
<a class="carousel-control-next"
href="#carouselExampleIndicators"
role="button" data-slide="next">
```

```
<span class="carousel-control-
next-icon" aria-
hidden="true"></span>
```

```
<span class="sr-
only">Next</span>
```


</div>

<div class="container my-4">

<div class="row mb-2">

<div class="col-md-6">

<div class="card flex-md-row
mb-4 shadow-sm h-md-250">

<div class="card-body d-
flex flex-column align-items-start">

<strong class="d-inline-
block mb-2 text-
primary">Continue

<p class="card-text mb-
auto">Continue into our courses and
learn about Nature.</p>

```
        <a  
href="#">Continue</a>
```

```
    </div>
```

```
        
```

```
    </div>
```

```
</div>
```



```
<div class="col-md-6">
```

```
  <div class="card flex-md-row  
mb-4 shadow-sm h-md-250">
```

```
    <div class="card-body d-  
flex flex-column align-items-start">
```

```
      <strong class="d-inline-  
block mb-2 text-  
success">Test</strong>
```

```
      <p class="card-text mb-  
auto">Test your skills with our quizzes.  
</p>
```

```
      <a  
href="#">Continue</a>
```

```
    </div>
```

```
    
```

```
</div>
```

```
</div>
```

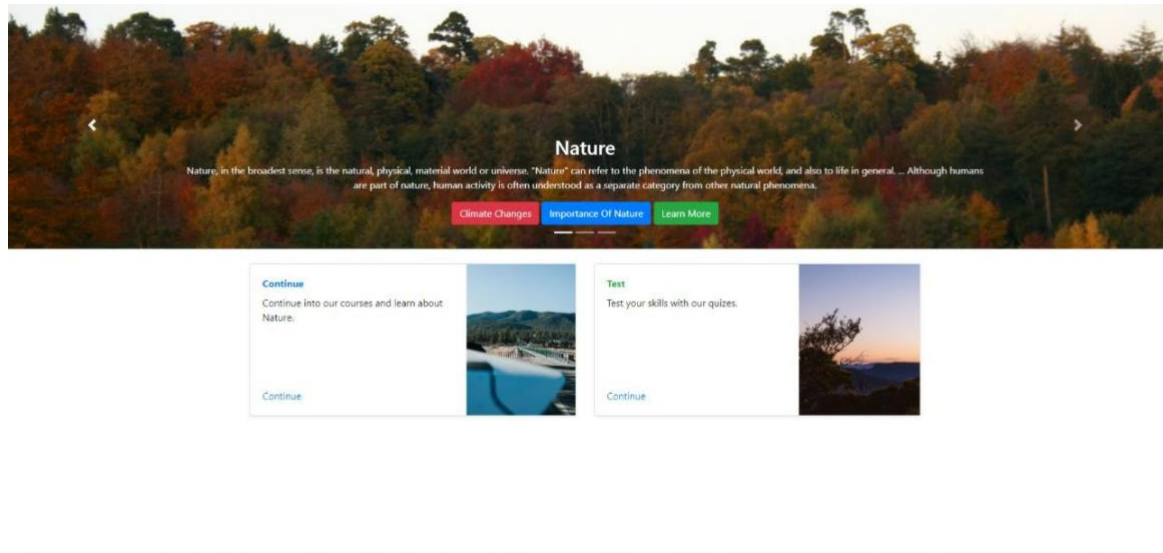
```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

OUTPUT:



EXPERIMENT-7

Creating a web page using PHP.

SOL: `<!doctype html>`

`<html lang="en">`

`<head>`

`<meta charset="utf-8">`

```
<meta name="viewport"  
content="width=device-width, initial-  
scale=1">
```

```
<link  
href="https://cdn.jsdelivr.net/npm/b  
ootstrap@5.0.0-  
beta3/dist/css/bootstrap.min.css"  
rel="stylesheet"
```

```
integrity="sha384-  
eOJMYsd53ii+scO/bJGFsiCZc+5NDVN  
2yr8+0RDqr0Ql0h+rP48ckxlpbzKgwra  
6" crossorigin="anonymous">
```

```
<title>Practical 7</title>
```

```
<body>
```

```
<style>.topnav {  
overflow: hidden;
```

```
background-color: #333;  
}
```

```
.topnav a {  
float: left;  
color: #ffffff;  
text-align: center;  
padding: 14px 16px;  
text-decoration: none;  
font-size: 17px;  
}
```

```
.topnav a:hover {  
background-color: #86becc;  
color: rgb(255, 255, 255);  
}
```

```
.topnav a.active {  
background-color: #86becc;  
color: rgb(240, 240, 240);  
}  
</style>  
</head>  
<div class="topnav" style="border-  
radius: 5px;">  
<a class="active"  
href="#HOME">Computer  
Components</a>  
<a href="#Competition">Best  
Processors</a>  
<a href="#Contact">Best Graphic  
Cards</a>
```

`About Us`

`</div>`

`
`

`<div class="alert alert-warning alert-dismissible fade show" role="alert">`

`Accept Cookies for
better experience`

`<button type="button" class="btn-close" data-bs-dismiss="alert" data-label="button">`

`Close</button>`

`</div><div class="container" >`

`<div id="carouselExampleSlidesOnly" class="carousel slide" data-bs-ride="carousel">`

`<div class="carousel-inner">`

```
<div class="carousel-item active">
<center></center>
```

```
<br> <div>
```

```
<center><p style="color: rgb(19, 5,
58)";> A gaming PC build guide might
make some depressing reading right
now. Such is the way of the current
PC market in that, while it's easier
than ever to physically build a gaming
PC, it's never been harder to actually
find the component parts to do
so.</p>
```


<div>

Best PC Building
Guide

AMD Ryzen 5 3600

Corsair Vengeance LPX 16GB
(2x8GB) DDR4-3200

Addlink S70 512GB NVMe SSD

WD Black 1TB (Optional)

WD Black 1TB (Optional)

NZXT H510 Case

Asus ROG Strix B550-E
Motherboard

RTX 3060 Ti Graphic Card

</center>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

</body>

</html>

OUTPUT :



A gaming PC build guide might make some depressing reading right now. Such is the way of the current PC market in that, while it's easier than ever to physically build a gaming PC, it's never been harder to actually find the component parts to do so.

Best PC Building Guide

AMD Ryzen 3 3600
Corsair Vengeance LPX 16GB (2x8GB) DDR4-3200
Addlink S70 512GB NVMe SSD
WD Black 1TB (Optional)
WD Black 1TB (Optional)
NZXT H510 Case
Asus ROG Strix B550-E Motherboard
RTX 3060 Ti Graphic Card