



WEB TECHNOLOGIES

PRACTICAL NOTE BOOK

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

{BATCH 2019-2023}

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EXPERIMENT 1

Create a simple web page 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.

Solution:

```
<html>

<head>

<title>First Practical</title>

<style>

    p{

        font-size: 25px;

    }

    h1{

        text-align: center;

    }

    body{

        background-color: #81F0E3;

    }

</style>

<body>

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

<p>In This I Will Give Your Idea About Computer peripherals.</p>
```

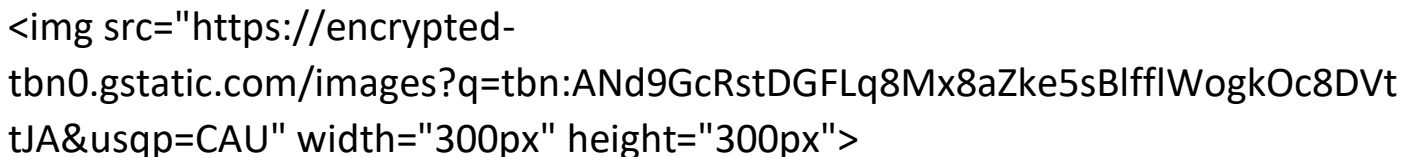
A peripheral is a “device that is used to put information into or get information out of the computer.”

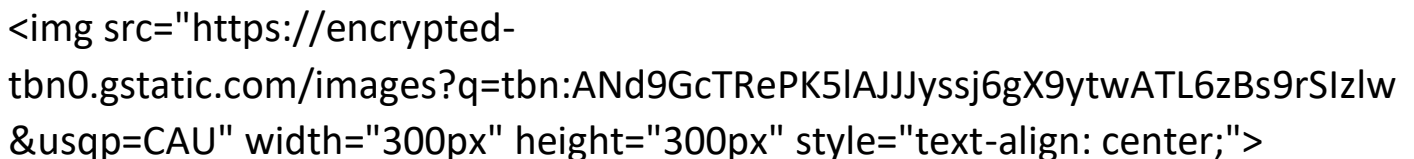
There are three different types of peripherals: (1) Input (2) Output (3) Storage devices

Input, used to interact with, or send data to the computer (mouse, keyboards, etc.)

Output, which provides output to the user from the computer (monitors, printers, etc.)

Storage, which stores data processed by the computer (hard drives, flash drives, etc.)

A collection of various computer peripherals including a mouse, keyboard, monitor, printer, scanner, and a hard drive.

A collection of various computer peripherals including a mouse, keyboard, monitor, printer, scanner, and a hard drive.

OUTPUT:

THIS IS MY FIRST PRACTICAL

In This I Will Give Your Idea About Computer peripherals.

A peripheral is a “device that is used to put information into or get information out of the computer.

There are three different types of peripherals:

- (1) Input
- (2) Output
- (3) Storage devices

Input, used to interact with, or send data to the computer (mouse, keyboards, etc.)

Output, which provides output to the user from the computer (monitors, printers, etc.)

Storage, which stores data processed by the computer (hard drives, flash drives, etc.)



EXPERIMENT 2

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

Solution:

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

```
<html>
```

```
<head>
```

```
<style>
```

```
table {
```

```
font-family: "Times New Roman";
```

```
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: #6F4756;">
    <h1 style="text-align: center; font-family: serif; color:
#ffff;">Mc Donald's Food Price List</h1>
<table>
<tr>
<th>FOOD ITEMS</th>
<th>PRICE LIST</th>

</tr>
<tr>
<th> Burger</th>
<th>Starting At 49</th>
```

</tr>

<tr>

<th>Pizza</th>

<th> Starting At 99</th>

</tr>

<tr>

<th>French-Fries</th>

<th>Starting At 75</th>

</tr>

<tr>

<th>Iced Coffee</th>

<th>Starting At 49</th>

</tr>

<tr>

<th>Sweet Tea</th>

<th>Starting At 15</th>

</tr>

</table>

For Full Details Of Each Item Price

</body>

</html>

OUTPUT

Mc Donald's Food Price List	
FOOD ITEMS	PRICE LIST
Burger	Starting At 49
Pizza	Starting At 99
French-Fries	Starting At 75
Iced Coffee	Starting At 49
Sweet Tea	Starting At 15
For Full Details Of Each Item Price	

EXPERIMENT 3

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

Solution:

:<!DOCTYPE html>

<html lang="en-us">

<head>

<title>college admission Form</title>

</head>

<body style="background-color: #5F6A6A;">

<h1 style="color:#ffff; font-family: sans-serif;"><center>FILL

DETAILS FOR COLLEGE ADMISSION
APPLICATION.</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" >Email : </label>

<input type="text" id="email" name="email"
value="">

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

</label>


```
<input type="text" id="cont" name="cont"
value=""><br><br><br>
<label for="gender" >Gender : </label>
<input type="text" id="gender" name="gender"
value=""><br><br><br>
<label for="loc" >10th marks : </label>
<input type="text" id="10th marks" name="10th marks"
value=""><br><br><br>
<label for="lname" >12th marks :
</label>
<input type="text" id="12th marks" name="12th marks"
value=""><br><br><br>

<input type="submit" value="Submit" ><br><br><br>
</form>
<p style="color: #ffff;"><b>Thanks For Filling
Details.</b></p>
</body>
</html>
```

OUTPUT

:

FILL DETAILS FOR COLLEGE ADMISSION APPLICATION.

First name :

Last name :

Email :

Contact No. :

Gender :

10th marks :

12th marks :

Thanks For Filling Details.

EXPERIMENT 4

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

SOLUTION:

[10:48 am, 18/05/2021] sanju: <!DOCTYPE html>

<html lang="en-us">

<head>

<link rel="stylesheet" type="text/css"

href="files/abhay4.css" >

<title>Types Of CSS</title>

<style >

body{

background-color: #b89491;

}

</style>

</head>

<body>

**<h1>Using Different Forms Of
CSS(Inline,Internal,External)</h1>**

**<h2>HOW TO LEARN ETHICAL HACKING FROM
SCRATCH.</h2>**

**<p style="font-size: 20px;">Ethical hacking is one of the
most skilled information security fields. It requires an
extensive understanding of the computer system and IT
techniques and technologies. You need to acquire these
necessary skills to be a successful Hacker which is given
below:</p>**

**<p style="font-size: 30px;">Computer skills
**

**Security Concepts & Technologies
**

**Networking skills including ARP, DHCP, NAT, DNS,
Subnetting, VLANs, MAC addressing, IPv4, IPv6, Public v
Private IP, Routers and switches, OSI model
**

**Virtualization
**

**Database skills
**

**Advanced TCP/IP
**

**Wireshark or Tcpdump
**

**Digital Forensics

Cryptography

Web Application

Scripting

Linux Skills

Wireless technologies</p>**

</body>

</html>

CSS FILE:

h1{

font-family: Cursive;

text-align: center;

}

h2{

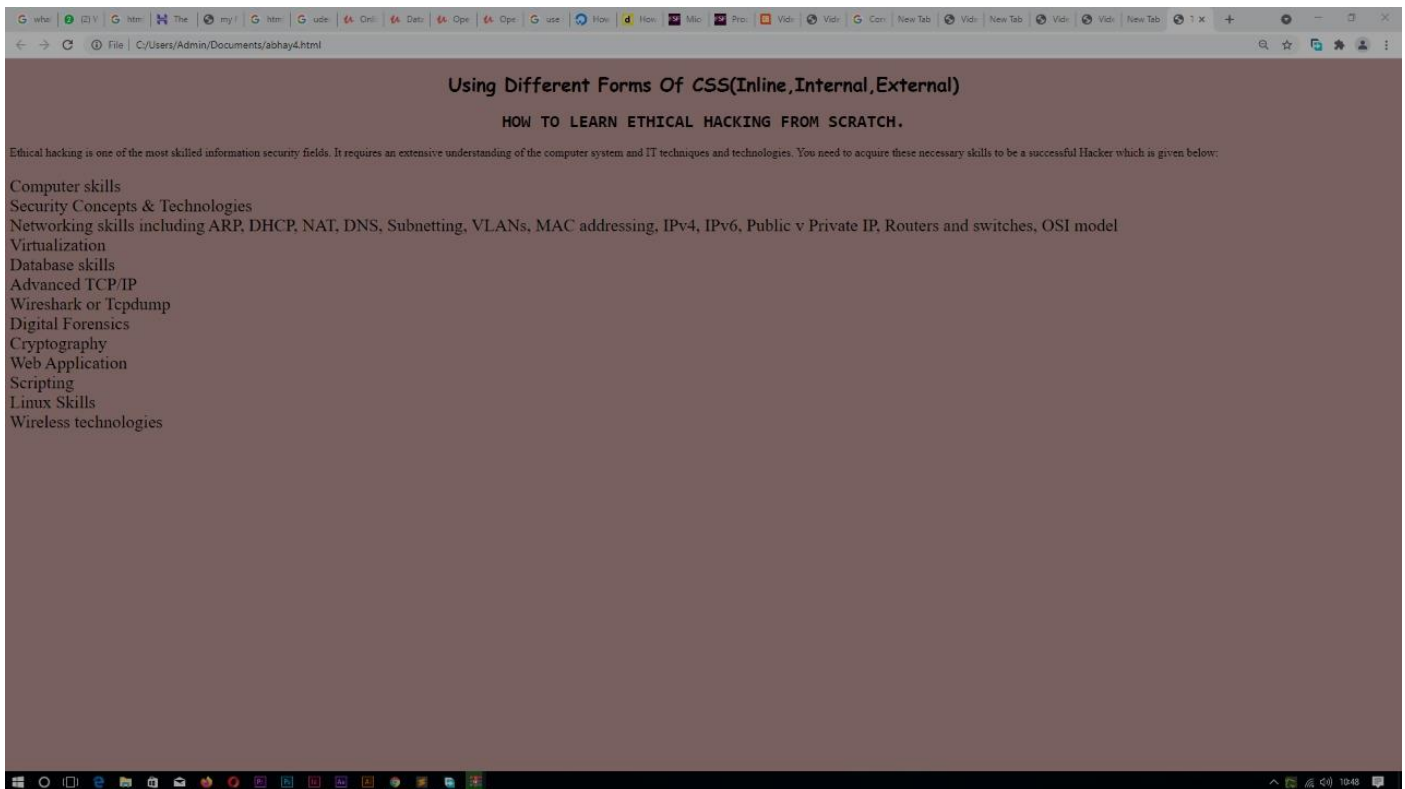
text-align: center;

font-size: 30px;

font-family: Monospace;

}

OUTPUT:



EXPERIMENT 5

Create of web pages using HTML5 & CSS3

SOLUTION:

[10:50 am, 18/05/2021] sanju: <html lang="en">

<head>

<link rel="stylesheet" type="text/css" href="files/5.css" >

<title>Video Editing Softwares</title>

</head>

<body>

<h1>Best video editing software: Top tools in 2021

</h1>

<table>

<tr>

<th>Softwares Name</th>

<th>Softwares Logos</th>

<th>Details</th>

</tr>

<tr>

<th><p style="font-size: 30px;">Final Cut X Pro</p></th>

<th></th>

<th><p>Optimised for macOS, Final Cut Pro has a great reputation within the industry and is the best video editing software for Apple users. A close match for the the feature-rich, industry-ready toolset of Premiere Pro, Final Cut Pro is a solid pick.</p></th>

</tr>

<tr>

<th><p style="font-size: 30px;">Adobe Premiere Pro</p></th>

<th></th>

<th><p>If you're new to video editing, Premiere Pro is going to be a bit of a tough learning curve. We'd recommend you instead start with Adobe Premiere Elements, a simplified version that's also cheaper, but which still lets you create very professional results.</p></th>

</tr>

<tr>

<th><p style="font-size: 30px;">Adobe Premiere Rush</p></th>

<th></th>

<th><p>One of the best video editing apps around, Premiere Rush can be used as an app in its own right, or in conjunction with Premiere Pro. For instance, when you're on the train, you could make some extra edits to footage you're previously worked on at the studio on your desktop PC.</p></th>

</tr>

<tr>

<th><p style="font-size: 30px;">Corel VideoStudio Ultimate</p></th>

```
<th></th>
```

```
<th><p>If you're a beginner who  
wants to get started with video editing software, Adobe tools  
aren't your only option. It's also worth checking out Corel  
VideoStudio Ultimate, particularly if you're already a fan of  
Corel's illustration and graphic design software.</p></th>
```

```
</tr>
```

```
</table>
```

```
<a href="https://www.creativebloq.com/features/best-video-  
editing-software-for-designers" style=" font-size: 30px;">For  
More Softwares.</a>
```

```
</body>
```

```
</html>
```

CSS FILE:

```
h1{
```

```
    font-family: Candara;
```

```
    text-align: center;
```

```
}
```

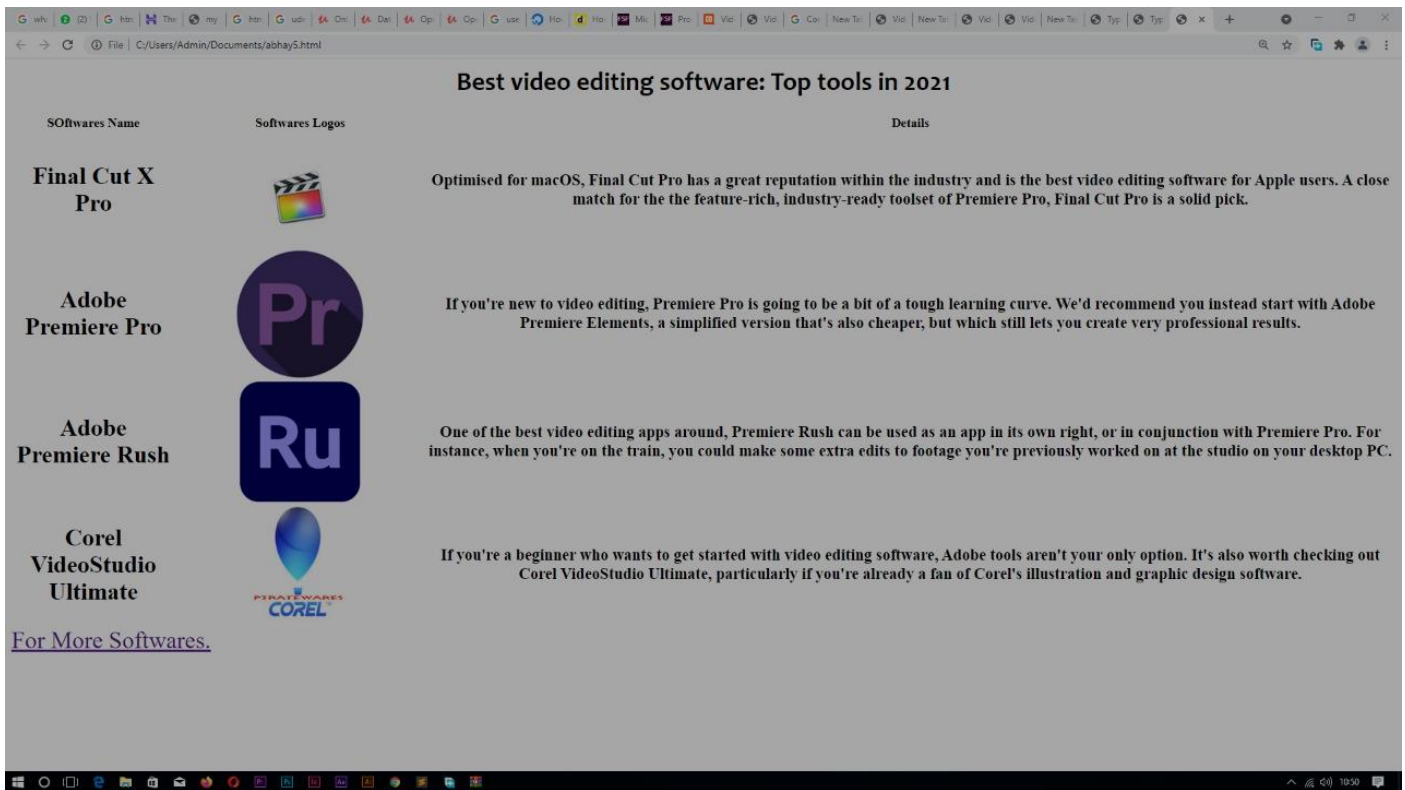
```
p{
```

```
    font-size: 20px;
```

```
    font-family: Geneva;
```


}

OUTPUT



EXPERIMENT 6

Demonstrate the use of Bootstrap framework.

SOLUTION:

```
<!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/boo  
tstrap.min.css"
```

```
integrity="sha384-  
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iu  
XoPkFOJwJ8ERdknLPMO" 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>
```


<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">

Previous

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

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

Next

</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</strong>
          <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">
```

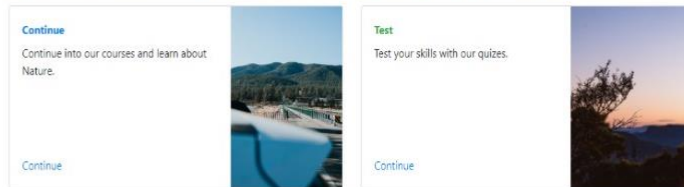
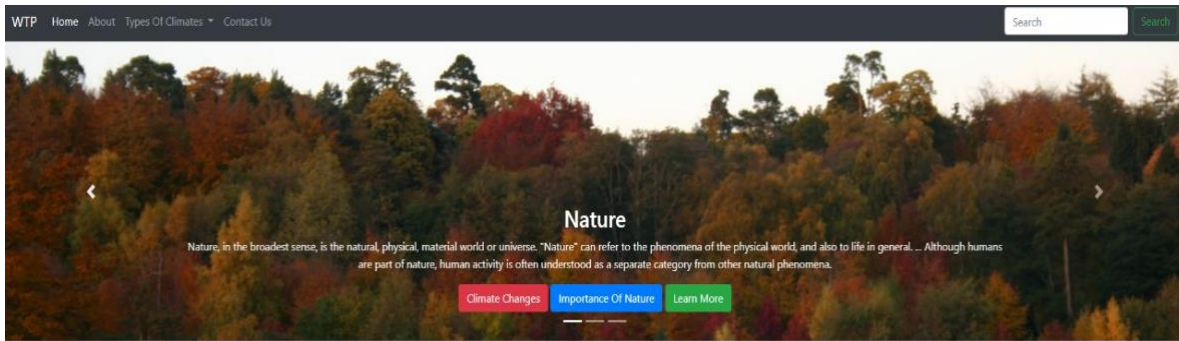


```
<div class="card-body d-flex flex-column align-items-start">
    <strong class="d-inline-block mb-2 text-success">Test</strong>
    <p class="card-text mb-auto">Test your skills with our quizzes. </p>
    <a href="#">Continue</a>
</div>

</div>
</div>
</div>
</div>
</body>

</html>
```

OUTPUT



EXPERIMENT 7

Creating a web page using PHP.

SOLUTION:

```
<!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/bootstrap@5.0.0-  
beta3/dist/css/bootstrap.min.css" rel="stylesheet"
```

integrity="sha384-
eOJMYsd53ii+scO/bJGFsiCZc+5NDVN2yr8+0RDqr0Ql0h+rP4
8ckxlpbzKgwra6" 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">HOME</a>
<a href="#Competition">Natural Foods</a>
<a href="#Contact">Healthy Drinks</a>
<a href="#About Us">About Us</a>
</div>
<br>
<div class="alert alert-warning alert-dismissible fade show"
role="alert">
<strong>Accept Cookies</strong> for better experience
<button type="button" class="btn-close" data-bs-dismiss="alert"
aria-label=
l="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>
```


 <div>

<center><p style="color: rgb(19, 5, 58);"> In This Webpage I
Will Provide You Some Healthy Food Tips.

<div>

Top Healthy Foods

Green Vegetables.

Salad

</center>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

</body>

</html



In This Webpage I Will Provide You Some Healthy Food Tips.

Top Healthy Foods

Green Vegetables.
Salad

