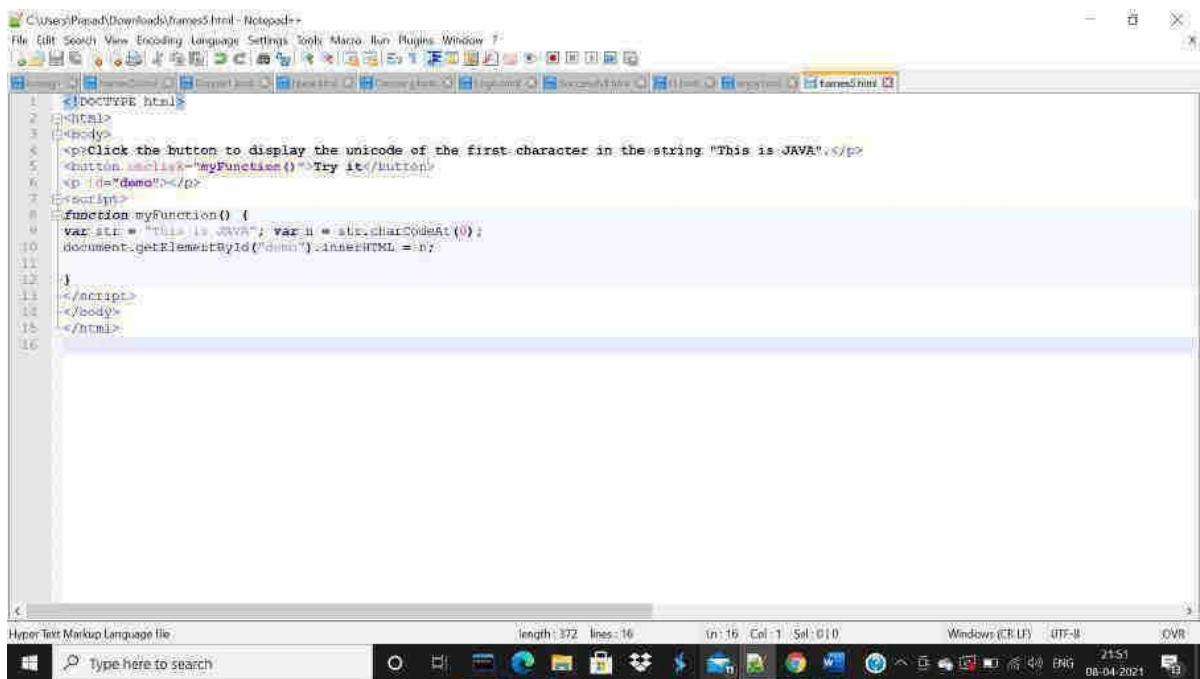
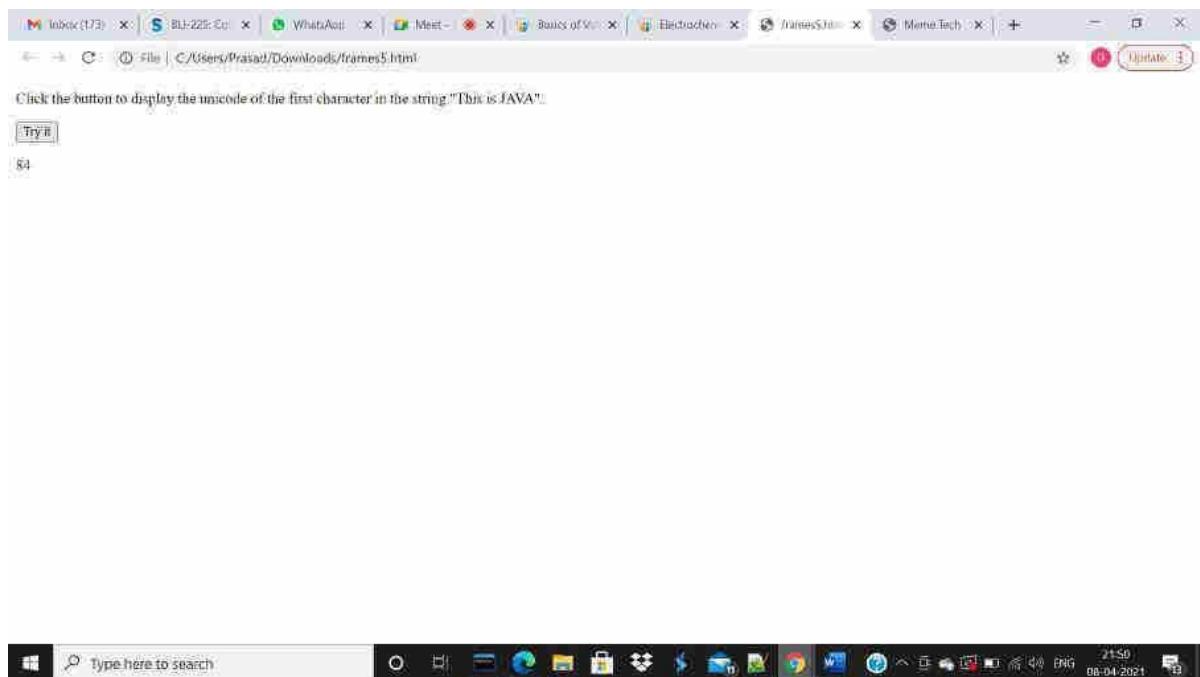


- charCodeAt

Code:

```
<!DOCTYPE html>
<html>
<body>
<p>Click the button to display the unicode of the first character in the string "This is JAVA".</p>
<button onclick="myFunction()">Try it</button>
<p id="demo"></p>
<script>
function myFunction() {
var str = "This is JAVA"; var n = str.charCodeAt(0);
document.getElementById("demo").innerHTML = n;
}
</script>
</body>
</html>
```





Exercise 17: Working with PHP basics.

1. Write a program to display a simple message on the screen using php.

The screenshot shows a Windows desktop environment. At the top is the taskbar with various pinned icons. Below it is the Start button and a search bar. The main window is Notepad++ showing a PHP script named 'name.php'.

```
<!DOCTYPE html>
<html>
<body>
<h1>Web Tech</h1>
<?php
echo "Wear your mask";
?>
</body>
</html>
```

The status bar at the bottom of Notepad++ displays: "Hyper Text Markup Language file", "length : 103 lines : 9", "Ln : 6 Col : 21 Sel : 0 | 0", "Windows (CR LF)", "UTF-8", and "INS".

Below Notepad++ is a system tray showing the date and time as 10-05-2021 15:19.

The browser window below shows the URL "localhost" in the address bar. The page content is:

Web Tech

Wear your mask

The browser status bar shows: "WhatsApp", "Meet - azc-wrow-dyg", "BID IV End Semester Exam Time", "localhost", and the date and time as 10-05-2021 15:30.

2. Create a page to demonstrate introduction of comments in PHP.

C:\xampp\htdocs\index.php - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

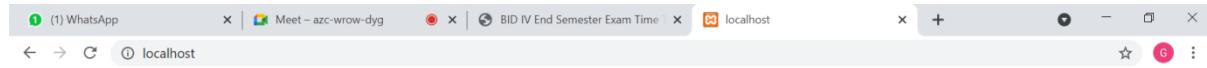
outtree_seqboot_ml outtree_parsi_seqboot outtree_pari_seqboot ginsulin fas name index.php

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <?php
6 // This is a single-line comment
7
8 # This is also a single-line comment
9 ?>
10
11 </body>
12 </html>
```

length : 129 lines : 12 Ln : 12 Col : 8 Sel : 0 | 0 Unix (LF) UTF-8 INS

PHP Hypertext Preprocessor file

Windows Search 15:33 ENG 10-05-2021

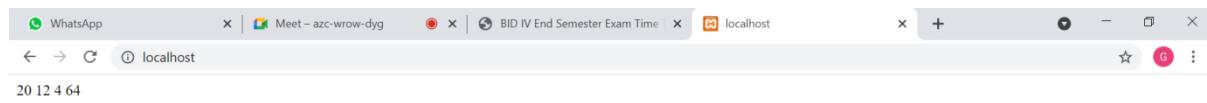


3. Create a page to demonstrate arithmetic and assignment operators in php.

The screenshot shows a Notepad++ window with the file path C:\xampp\htdocs\index.php. The code is a PHP script that performs arithmetic operations on variables \$x and \$y:

```
<!DOCTYPE html>
<html>
<body>
<?php
$x = 16;
$y = 4;
?>
<?php
echo $x + $y;
?>
<?php
echo $x - $y;
?>
<?php
echo $x / $y;
?>
<?php
echo $x * $y;
?>
</body>
</html>
```

Below the code, the status bar displays: PHP Hypertext Preprocessor file, length: 173, lines: 23, Ln: 7, Col: 7, Sel: 0 | 0, Unix (LF), UTF-8, INS.



Exercise 18: Working with conditional and iterative loops in PHP.

1. Create a page demonstrating usage of if- loop

The screenshot shows a Windows desktop environment. At the top is the taskbar with various pinned icons. Below it is the Start button and a search bar. The main window is Notepad++ displaying a PHP file named index.php. The code contains an if-else loop that outputs "23 is less than 200". Below the Notepad++ window is a status bar showing file details: length: 106, lines: 10, Ln: 10, Col: 8, Sel: 0 | 0, Unix (LF), UTF-8, and INS. The system tray at the bottom right shows the date and time as 10-05-2021 15:37, along with icons for battery, signal, and notifications.

index.php

```
1 <html>
2 <body>
3 <?php
4 $num=23;
5 if($num<200) {
6 echo "$num is less than 200";
7 }
8 ?>
9 </html>
</body>
```

PHP Hypertext Preprocessor file

length : 106 lines : 10 Ln : 10 Col : 8 Sel : 0 | 0 Unix (LF) UTF-8 INS

Search

localhost

23 is less than 200

15:37 10-05-2021

2. Create a page demonstrating usage of if-else loop

The screenshot shows a Windows desktop with a Notepad++ window open. The file being edited is `C:\xampp\htdocs\index.php`. The code contains a simple PHP script that checks the day of the week using the `date("T")` function. If the day is "Wednesday" or earlier, it outputs "Today is tuesday!". Otherwise, it outputs "Today is sunday!". The Notepad++ status bar indicates the file is a PHP Hypertext Preprocessor file, with a length of 138, 13 lines, and the current line at Ln: 6, Col: 13.

Below the Notepad++ window is a taskbar with several pinned icons and a search bar. A browser window is open to `localhost`, displaying the output of the PHP script: "Today is sunday!".

The screenshot shows a Windows desktop with a taskbar at the bottom. The taskbar includes icons for WhatsApp, Meet, BID IV End Semester Exam, localhost, and Student of the year. The localhost icon is active, showing the page "Today is sunday!".

3. Create a page demonstrating usage of multiple if-else loops

The screenshot shows a Windows desktop environment. At the top is the taskbar with several pinned icons. In the center is a Notepad++ window displaying a PHP script named index.php. The code uses an if-elseif-else structure to check the hour (\$t) and echo a message. Below the Notepad++ window is a status bar showing file details like length, lines, and encoding. At the bottom is another taskbar with various open application windows.

C:\xampp\htdocs\index.php - Notepad++

```
1 <html>
2 <body>
3 <?php
4 $t = date("H");
5
6 if ($t < "16") {
7     echo "Pass!";
8 } elseif ($t < "10") {
9     echo "Try next time!";
10 } else {
11     echo "Fail!";
12 }
13 ?>
14 </html>
15 </body>
```

PHP Hypertext Preprocessor file

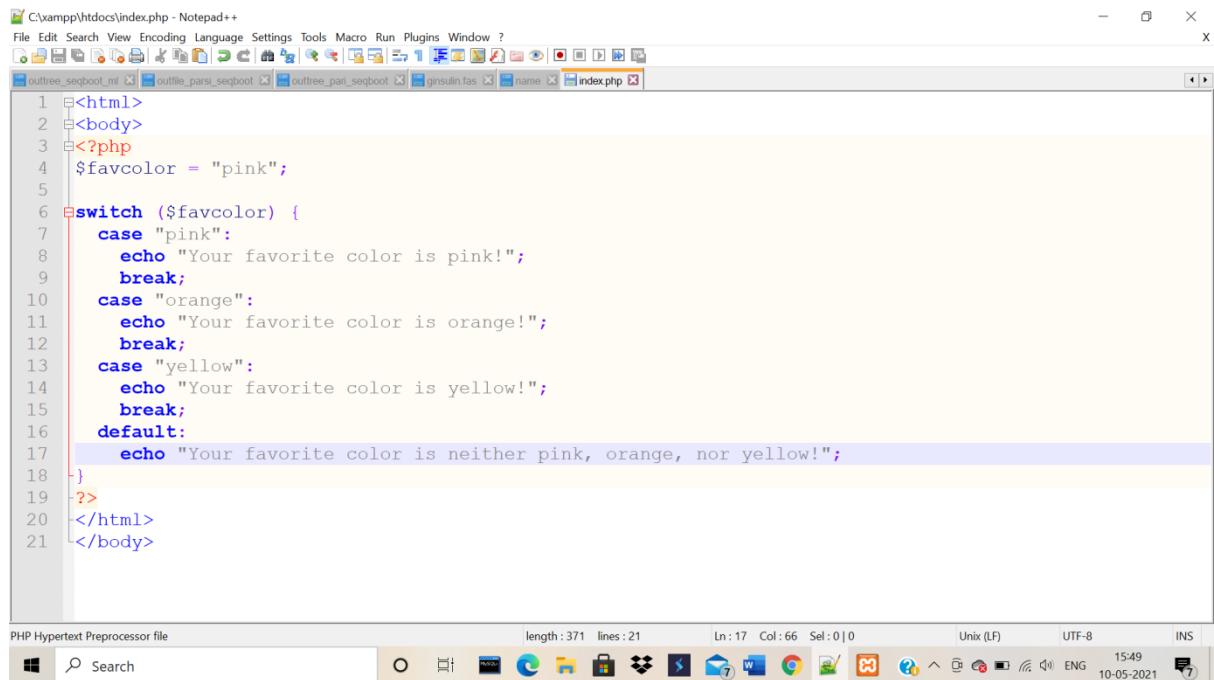
length : 163 lines : 15 Ln : 11 Col : 13 Sel : 0 | 0 Unix (LF) UTF-8 INS

15:44 10-05-2021

localhost

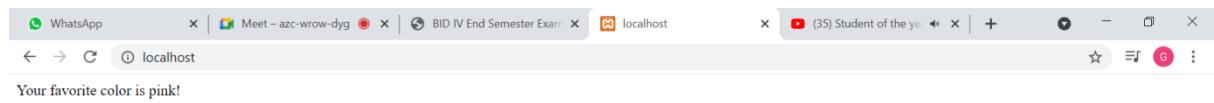
Pass!

4. Create a page demonstrating usage of switch case



The screenshot shows a Notepad++ window with the file 'index.php' open. The code contains a switch statement that checks the value of \$favcolor. If \$favcolor is 'pink', it echoes 'Your favorite color is pink!'. If it's 'orange', it echoes 'Your favorite color is orange!'. If it's 'yellow', it echoes 'Your favorite color is yellow!'. If none of these cases are true, it echoes 'Your favorite color is neither pink, orange, nor yellow!'. The code is as follows:

```
1 <html>
2 <body>
3 <?php
4 $favcolor = "pink";
5
6 switch ($favcolor) {
7     case "pink":
8         echo "Your favorite color is pink!";
9         break;
10    case "orange":
11        echo "Your favorite color is orange!";
12        break;
13    case "yellow":
14        echo "Your favorite color is yellow!";
15        break;
16    default:
17        echo "Your favorite color is neither pink, orange, nor yellow!";
18    }
19 ?>
20 </html>
21 </body>
```



5. Create a page demonstrating usage of while and do-while loop

The screenshot shows a Notepad++ window with the file 'index.php' open. The code contains a for loop that prints numbers from 20 to 25. The code is as follows:

```
1 <html>
2 <body>
3 <?php
4 $x = 20;
5
6 for($x <= 25) {
7     echo "The number is: $x <br>";
8     $x++;
9 }
10 <?>
11
12 <?php
13 $x = 20;
14
15 do {
16     echo "The number is: $x <br>";
17     $x++;
18 } while ($x <= 25);
19 <?>
20 </html>
21 </body>
```

PHP Hypertext Preprocessor file length : 195 lines : 21 Ln : 18 Col : 17 Sel : 0 | 0 Unix (LF) UTF-8 INS

Windows Search 15:51 10-05-2021

The screenshot shows a Microsoft Edge browser window with the URL 'localhost'. The page displays the output of the PHP code, which is a series of numbers from 20 to 25, each on a new line.

The number is: 20
The number is: 21
The number is: 22
The number is: 23
The number is: 24
The number is: 25
The number is: 20
The number is: 21
The number is: 22
The number is: 23
The number is: 24
The number is: 25

Windows Search 15:51 10-05-2021

6. Create a page demonstrating usage of for loop

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several pinned icons. In the center, a Notepad++ window is open, displaying a PHP script named 'index.php'. The script contains a for loop that initializes variables \$a and \$b to 0, increments them by 5 in each iteration, and then prints their final values. Below the Notepad++ window, a status bar shows file details: length: 182, lines: 14, Ln: 9, Col: 8, Sel: 0 | 0, Unix (LF), UTF-8, and INS. At the bottom of the screen, a browser window is open to 'localhost', showing the output of the PHP script: 'At the end of the loop a = 75 and b = 25'.

```
1 <html>
2 <body>
3 <?php
4 $a = 0;
5 $b = 0;
6 for( $i = 0; $i<5; $i++ )
7 {
8     $a += 15;
9     $b += 5;
10 }
11 echo ("At the end of the loop a = $a and b = $b" );
12 ?>
13 </body>
14 </html>
```

7. Create a page demonstrating usage of for-each loop

The screenshot shows a Windows desktop environment. At the top is the taskbar with various pinned icons. In the center is a Notepad++ window titled "C:\xampp\htdocs\index.php - Notepad++". The code editor contains the following PHP script:

```
<!DOCTYPE html>
<html>
<body>
<?php
$vehicles = array("bmw", "yamaha", "i10", "i20");

foreach ($vehicles as $value) {
    echo "$value <br>";
}
?>

</body>
</html>
```

The status bar at the bottom of the Notepad++ window displays: "PHP Hypertext Preprocessor file", "length : 168 lines : 14", "Ln : 12 Col : 1 Sel : 0 | 0", "Unix (LF)", "UTF-8", and "INS".

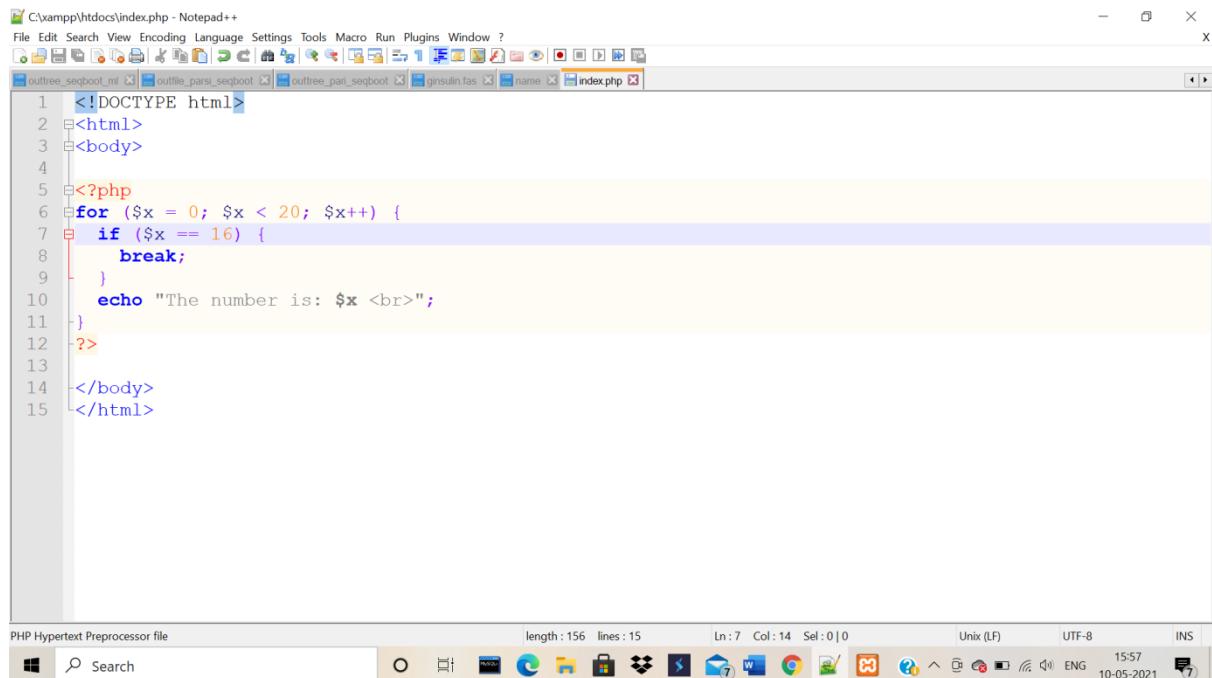
Below the Notepad++ window is a browser window showing the output of the PHP script. The address bar says "localhost". The page content is:

bmw
yamaha
i10
i20

The browser window shows the same output as the Notepad++ preview. The address bar says "localhost". The page content is:

bmw
yamaha
i10
i20

8. Create a page demonstrating usage of break statement



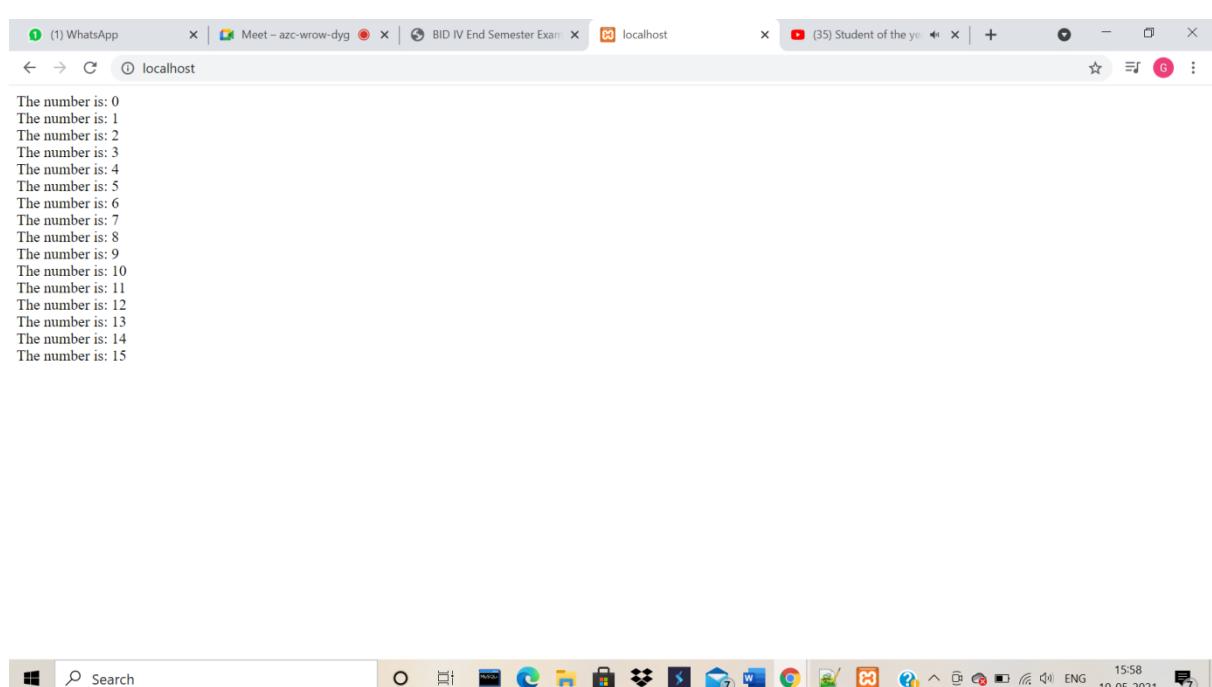
The screenshot shows a Notepad++ window with the file path C:\xampp\htdocs\index.php. The code is as follows:

```

1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <?php
6 for ($x = 0; $x < 20; $x++) {
7     if ($x == 16) {
8         break;
9     }
10    echo "The number is: $x <br>";
11 }
12 ?>
13
14 </body>
15 </html>

```

Below the Notepad++ window is a taskbar with various icons. The status bar at the bottom indicates length: 156, lines: 15, Ln: 7, Col: 14, Sel: 0 | 0, Unix (LF), UTF-8, and INS.



The browser window shows the output of the PHP script. The page title is localhost. The content of the page is:

```

The number is: 0
The number is: 1
The number is: 2
The number is: 3
The number is: 4
The number is: 5
The number is: 6
The number is: 7
The number is: 8
The number is: 9
The number is: 10
The number is: 11
The number is: 12
The number is: 13
The number is: 14
The number is: 15

```

Below the browser window is another taskbar with the same set of icons as the first one.

9. Create a page demonstrating usage of continue statement

The screenshot shows a Notepad++ window with the file 'index.php' open. The code contains a for loop that iterates from 0 to 19. For each iteration, it checks if the value of \$x is 16. If it is, the loop continues without executing the echo statement. Otherwise, it prints 'The number is: \$x
'. The Notepad++ status bar at the bottom indicates the file is a PHP Hypertext Preprocessor file, with a length of 159, 15 lines, and the current position at Ln: 7 Col: 15 Sel: 0 | 0.

```
<!DOCTYPE html>
<html>
<body>
<?php
for ($x = 0; $x < 20; $x++) {
if ($x == 16) {
    continue;
}
echo "The number is: $x <br>";
}
?>
</body>
</html>
```



A screenshot of a Microsoft Edge browser window displaying the output of the PHP code. The page content shows the numbers from 0 to 19, each on a new line, demonstrating the behavior of the continue statement in the loop.

```
The number is: 0
The number is: 1
The number is: 2
The number is: 3
The number is: 4
The number is: 5
The number is: 6
The number is: 7
The number is: 8
The number is: 9
The number is: 10
The number is: 11
The number is: 12
The number is: 13
The number is: 14
The number is: 15
The number is: 16
The number is: 17
The number is: 18
The number is: 19
```



Exercise 19: Working with strings and arrays in PHP.

1. Create a page to demonstrate usage of string concatenation operator.

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several pinned icons. Below the taskbar, a Notepad++ window is open, displaying a PHP script named index.php. The code contains variables \$name and \$lastName, and an echo statement that outputs "Hello Gunjan!". Below the Notepad++ window, a browser window is open to the URL `localhost`, showing the same output: "Hello Gunjan!". The desktop background is white.

```
1 <?php
2     $name="Gunjan";
3     $lastName="Prasad Deshpande";
4     echo $name." ".$lastName;
5
6     $a=" Hello";
7     $a .= " Gunjan!";
8     echo $a; // Outputs Hello Gunjan!
9 ?>
```

2. Create a page to demonstrate usage of strlen() function.

C:\xampp\htdocs\index.php - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

outtree_seqboot_n.outfile_parseboot.outtree_pari_seqboot.gnsulin.fas.name.index.php

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <?php
6 echo strlen("PHP");
7 ?>
8
9 </body>
10 </html>
```

PHP Hypertext Preprocessor file length : 76 lines : 10 Ln : 6 Col : 17 Sel : 0 | 0 Unix (LF) UTF-8 INS

Search localhost

(1) WhatsApp Meet – azc-wroww-dyg BID IV End Semester Exam localhost (35) Student of the ye

3

3. Create a page to demonstrate usage of strpost function

The screenshot shows a Windows desktop environment. At the top is the taskbar with several pinned icons. In the center is a Notepad++ window titled "C:\xampp\htdocs\index.php - Notepad++". The code editor contains the following PHP script:

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <?php
5 echo strpos("This is PHP, This is also PHP!", "PHP");
6 -?>
7
8 </body>
9 </html>
```

The status bar at the bottom of the Notepad++ window indicates "PHP Hypertext Preprocessor file", "length : 110", "lines : 10", "Ln : 9", "Col : 8", "Sel : 0 | 0", "Unix (LF)", "UTF-8", and "INS".

Below the Notepad++ window is a browser window showing the URL "localhost". The browser tabs include "localhost" and "(35) Student of the ye...". The status bar at the bottom of the browser window shows "16:05 10-05-2021".

4. Create a page to demonstrate usage of dulet() function and its variants.

The screenshot shows a Notepad++ window with the file path C:\xampp\htdocs\index.php. The code displays various ways to print dates in PHP:

```
<!DOCTYPE html>
<html>
<body>
<?php
// Prints the day
echo date("l") . "<br>";

// Prints the day, date, month, year, time, AM or PM
echo date("l jS \of F Y h:i:s A") . "<br>";

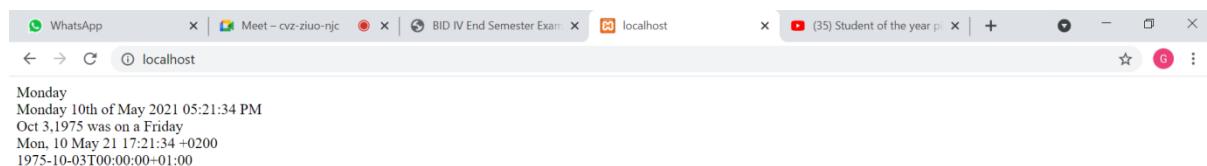
// Prints October 3, 1975 was on a Friday
echo "Oct 3,1975 was on a ".date("l", mktime(0,0,0,10,3,1975)) . "<br>";

// Use a constant in the format parameter
echo date(DATE_RFC822) . "<br>";

// prints something like: 1975-10-03T00:00:00+00:00
echo date(DATE_ATOM,mktime(0,0,0,10,3,1975));
?>

</body>
</html>
```

Below the code, the status bar shows: PHP Hypertext Preprocessor file, length: 488, lines: 23, Ln: 23, Col: 8, Sel: 0 | 0, Unix (LF), UTF-8, INS.



5. Create a page having a numeric array and display its contents.

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several pinned icons. In the center, a Notepad++ window is open, displaying the following PHP code:

```
<!DOCTYPE html>
<html>
<body>
<?php
$colours = array("pink", "red", "green");
echo "I like " . $colours[0] . ", " . $colours[1] . " and " . $colours[2] . ".";
?>
</body>
</html>
```

The status bar at the bottom of the Notepad++ window indicates: PHP Hypertext Preprocessor file, length: 180, lines: 11, Ln: 10 Col: 8 Sel: 0 | 0, Unix (LF), UTF-8, INS.

Below the Notepad++ window, the taskbar shows several open applications: WhatsApp, Meet - cvz-zuio-njc, BID IV End Semester Exam, localhost (in a browser), and Student of the year. The system tray shows the date and time as 10-05-2021 20:54, along with other icons.

6. Create a page having an associative array and display its contents.

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several pinned icons. Below the taskbar, a Notepad++ window is open, displaying a PHP script named index.php. The code contains a multidimensional array \$grades and an echo statement. The Notepad++ status bar shows file details: length: 184, lines: 12, Ln: 8, Col: 29, Sel: 0 | 0, Unix (LF), UTF-8, and INS. Below the Notepad++ window, a browser window is open to the URL localhost, showing the output of the PHP script: "Jay scored 65 percentage in his class." The browser status bar indicates the page was loaded at 20:59 on 10-05-2021.

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5
6 <?php
7 $grades = array("Jay"=>"65", "Geeta"=>"57", "Jazeb"=>"83");
8 echo "Jay scored " . $grades['Jay'] . " percentage in his class.";
9 ?>
10
11 </body>
12 </html>
```

7. Create a page having a multidimensional array and display its contents.