Lab Manual



Course: BI-402

Bioinformatics Software Development

Term: Fall 2020, Class: BSBI-2017

Submitted By:

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**LAB 8**

**Introduction of Server Side Scripting**

**Exercise**

1. Write test , and debug (if necessary) PHP scripts for the specifications that follow. For exercise a to c, write functions and the code to test them.
   1. **Parameter :** an array of numbers

**Return value :** the average and median of the parameter array

**SOURCE CODE**

<!DOCTYPE html>

<html>

<body>

<?php

$numb=array(3,5,7,9,11,12);

foreach($numb as $arr){

$count = count($numb);

$mid = floor(($count-1)/2);

$avg = ($numb)?array\_sum($numb)/$count:0;

$median = ($numb[$mid]+$numb[$mid+1-$count%2])/2;

}

echo 'avg: '.$avg."<br>";

echo 'median: '.$median."<br>";

?>

</body>

</html>

**OUTPUT**



* 1. **Parameters:** a string containing DNS sequence.

**Return value:** count total no of A C G T.

**SOURCE CODE**

<!DOCTYPE html>

<html>

<body>

<?php

$str = "ACCGGATTACCGGAATTCCGGAACCTTAA";

$strArray = count\_chars($str,1);

foreach ($strArray as $key=>$value)

{

echo "The character <b>'".chr($key)."'</b> was found $value times <br>";

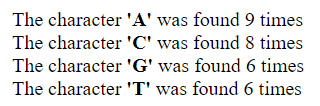
}

?>

</body>

</html>

**OUTPUT**



**c. Parameter:** a string of numbers separated by spaces.

**Return value:** the first four-digit number in the string ; false if none.

**SOURCE CODE**

<!DOCTYPE html>

<html>

<body>

<?php

$digit = ("78, 60, 62, 68, 71, 68, 73");

$digit\_array = explode(',', $digit);

echo " Print first four digits:";

for ($i=0; $i< 5; $i++)

{

if($i<5){

echo $month\_temp[$i];

}

else{

return none;

}}

?>

</body>

</html>

**OUTPUT**



1. Write a php program that generates the marks sheet of a student. Store the information of the student and its marks using associative array. Display the information in an Html table.

**SOURCE CODE**

<!DOCTYPE html>

<html>

<body>

<?php

$stumar=array("Maths"=>92,"AI"=>95,"Data Science"=>97,"Web Development"=>92);

echo'<table border=1 solid>';

echo'<tr><th colspan="2">MARKS SHEET</th></tr>';

echo'<tr>';

echo'<th>Student Name</th>';

echo'<th>TALHA NAEEM</th>';

echo'</tr>';

echo'<tr>';

echo'<th>Roll No.</th>';

echo'<th>2017-BI-005</th>';

echo'</tr>';

echo'<tr>';

echo'<th>Maths</th>';

echo'<th>'.$stumar["Maths"],'</th>';

echo'</tr>';

echo'<tr>';

echo'<th>AI</th>';

echo'<th>'.$stumar["AI"],'</th>';

echo'</tr>';

echo'<tr>';

echo'<th>Data Science</th>';

echo'<th>'.$stumar["Data Science"],'</th>';echo'</tr>';

echo'<tr>';

echo'<th>Web Development</th>';

echo'<th>'.$stumar["Web Development"],'</th>';echo'</tr>';

?>

</body>

</html>

**OUTPUT**

