Task 2

1.

Create a function to calculate the area of a square.

**Answer:**

**function squareArea($side)**

**{**

**$squarearea= sqr($side);**

**return $squarearea;**

**}**

2.

write a php script to split the following string sample string 120831 expected output 12 08 31

Answer:

<php

$str1= '120831';

echo substr(chunk\_split($str1, 2, ' '), 0, -1)."\n";

?>

3.

Write a function to display the middle character of a string.

Note: a) If the length of the string is odd there will be two middle characters.

b) If the length of the string is even there will be one middle character.

Test Data:

Input a string: 350

Expected Output:

The middle character in the string: 5

Answer:

<?php

$thestring=”350”;

$length= Strln($thestring);

Echo $char = substr(“350”,1,-1);

?>

4.

Write a function to count all vowels in a string.

Test Data:

Input the string: Drink Water

Expected Output:

Number of Vowels in the string: 3

Answer:

<?php

$string = "Drink Water";

echo " Number of Vowels in the string: ".preg\_match\_all('/[aeiou]/i',$string,$matches);

?>

5.

Write a function to count all words in a string.

Test Data:

Input the string: The quick brown fox jumps over the lazy dog.

Expected Output:

Number of words in the string: 9

Answer:

<?php

$setring='The quick brown fox jumps over the lazy dog.';

echo "Number of words in the string:".str\_word\_count($setring);

?>

6.

Write a function to compute the future investment value at a given interest rate for a specified number of years.

Sample data (Monthly compounded) and Output:

Input the investment amount: 1000

Input the rate of interest: 10

Input number of years: 5

Expected Output:

Years FutureValue

1 1104.71

2 1220.39

3 1348.18

4 1489.35

5 1645.31

Answer:

<?php

$investment=1000.;

$rate=0.01;

$year=5;

$rate\*=$investment\*10.471;

echo "Years FutureValue <br>";

for ($i=1; $i <=$year ; $i++) {

$investment+=$rate;

echo "&nbsp; $i. &nbsp; &nbsp; &nbsp; &nbsp;". number\_format($investment,2)."<br>";

}

?>

7.

Write a function to print characters between two characters (i.e. A to P ).

Note: Prints 20 characters per line

Expected Output:

( ) \* + , - . / 0 1 2 3 4 5 6 7 8 9 : ;

< = > ? @ A B C D E F G H I J K L M N O

P Q R S T U V W X Y Z [ \ ] ^ \_ ` a b c

d e f g h i j k l m n o p q r s t u v w

x y z

Answer:

<?php

for ($i=0050; $i<=0172 ; $i++) {

echo "&#".$i." ";

switch($i){

case "0059": echo '<br>';

continue;

case "0079": echo '<br>';

continue;

case "0099": echo '<br>';

continue;

case "0119": echo '<br>';

continue;

}

}

?>