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Course: CSE3002 Internet and web programming

Title: Lab Activity – 28 Sept 2022

1. Assume that you are sending a 4-digit ATM PIN to your friend through email. For security purpose, PIN gets encrypted based on the following points:

(a). Reverse the 4-digit PIN. [If pin is 4567, then reversed pin is 7654]

(b). In the reversed PIN, add 7 to each digit. [14,13,12,11]

(c). Replace each digit with remainder value after dividing by 10. [4321]

(d). Swap the first digit with the third digit. [2341]

(e). Swap the second digit with the fourth. Then print the encrypted integer. [2143]

Actual PIN: 4567, then the Encrypted PIN: 2143

Develop a PHP program using while loop to decrypt the pin, that is if 2143 is given as an input, then it should print 4567 as an output.

```php
<?php
$pin = 4567;
//$pin = (int)readline('Enter a Pin: ');

echo "\n\nPin $pin\n\n";

$arr = array();

//reverse, +7, %10
while ($pin > 1)
{
    array_push($arr,((($pin % 10 )+ 7)%10));
    $pin = ($pin / 10);
}

// Alternate swapping
for($i=0;$i<sizeof($arr)/2;$i++)
{
    $temp=$arr[$i];
    $arr[$i]=$arr[$i+2];
    $arr[$i+2]=$temp;
}
echo "Encrypted Code ";
print_r($arr);
```
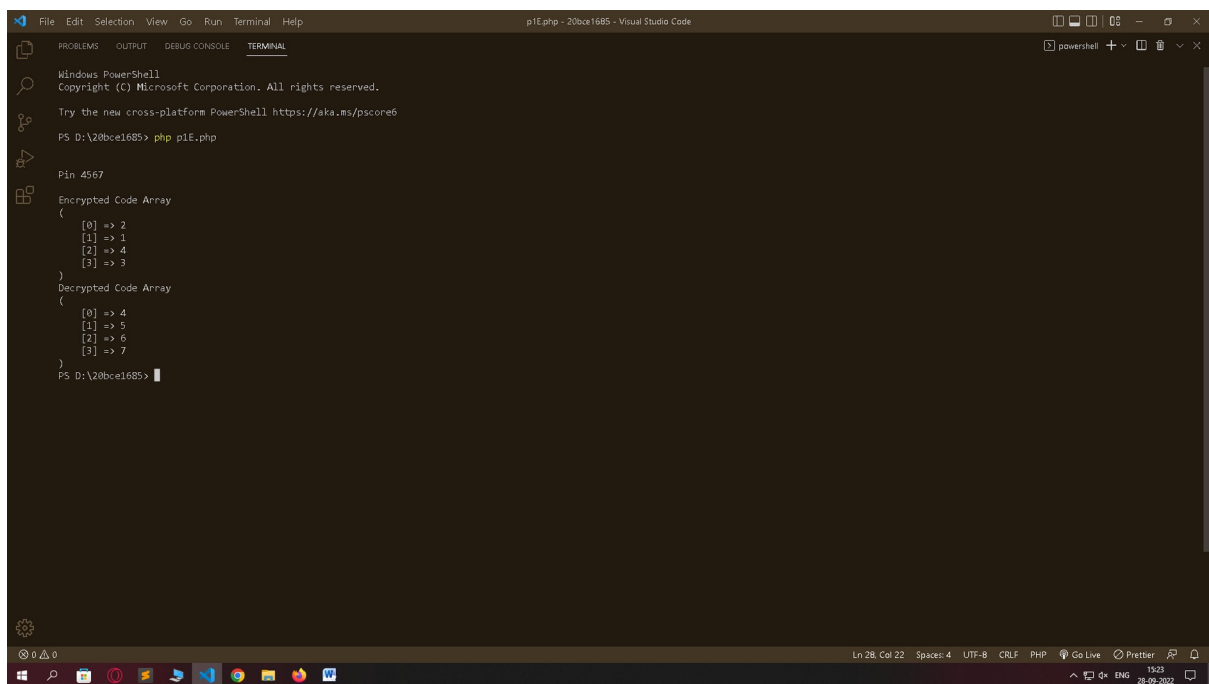
```php
for($i=0;$i<sizeof($arr)/2;$i++)
{
    $temp=$arr[$i]+3;
    $arr[$i]=$arr[$i+2]+3;
    $arr[$i+2]=$temp;
}
$arr = array_reverse($arr);

echo "Decrypted Code ";
print_r($arr);


?>
```



```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\20bce1685> php p1E.php

Pin 4567

Encrypted Code Array
(
    [0] => 2
    [1] => 1
    [2] => 4
    [3] => 3
)
Decrypted Code Array
(
    [0] => 4
    [1] => 5
    [2] => 6
    [3] => 7
)
PS D:\20bce1685>
```

2. An online retailer sells three different products whose retail prices are shown in the following table:

| Product ID | Retail price - INR |
|---|---|
| 1 | 1500 |
| 2 | 1800 |
| 3 | 2100 |

Write a php program to fetch the quantity of purchase of each of the three items on a day and print the individual cost of the products sold and the overall cost of all the products sold.

```php
<?php

$q1 = (int)readline("Quantity(1) : ");

$q2 = (int)readline("Quantity(2) : ");

$q3 = (int)readline("Quantity(3) : ");

$r1 = 1500;

$r2 = 1800;

$r3 = 2100;

$p1 = $q1*$r1;

$p2 = $q2*$r2;

$p3 = $q3*$r3;

echo "Cost(1) : $p1 \n";

echo "Cost(2) : $p2 \n";

echo "Cost(3) : $p3 \n";

echo "Cost(Total) : ".$p1+$p2+$p3;

?>
```

```
priyanshu@priyanshu-HP-Notebook:/opt/lampp/htdocs/28sep$ php p2.php
Quantity(1) : 10
Quantity(2) : 20
Quantity(3) : 30
Cost(1) : 15000
Cost(2) : 36000
Cost(3) : 63000
Cost(Total) : 114000priyanshu@priyanshu-HP-Notebook:/opt/lampp/htdocs/28sep$
```

3. Consider the form that you have created as part of your project, once submitted, redirect to a new php file and display the details using global variable.

```php
<?php

$name=$_POST['name'];

$email=$_POST['email'];

$mobile=$_POST['no'];

$topic=$_POST['topic'];

$msg=$_POST['msg'];


echo "NAME: $name <br> <br>  EMAIL: $email <br> <br>  MOBILE: $mobile <br> <br>  TOPIC: $topic <br> <br>  MESSAGE: $msg <br> <br>  ";

?>
```
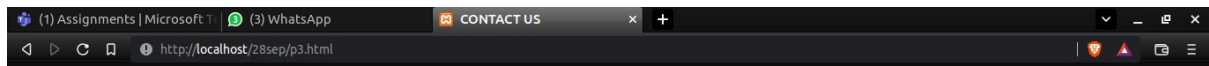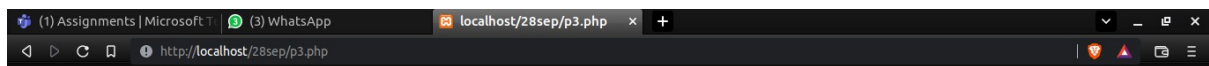
# CONTACT US

LEAVE US A MESSAGE

Your Name    Priyanshu Vyas
Your Email    myemail@gmail.com
Your Mobile Number    1234567890
Topic    Question
Your Message    How to change Username?
Enter the code in the box  ok
Submit

DEVELOPED BY PRIYANSHU VYAS -20BCE1685

NAME: Priyanshu Vyas

EMAIL: myemail@gmail.com

MOBILE: 1234567890

TOPIC: question

MESSAGE: How to change Username?