جامعة بنها – كلية العلوم – قسم الرياضيات

مادة من المستوي الرابع (علوم حاسب)

يوم الامتحان: السبت

تاريخ الامتحان: 2 / 1 / 2016 م

المادة : موضوعات مختارة في علوم الحاسب 2 (455 رس)

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مدرس بقسم الرياضيات بكلية العلوم

الاسئلة و نموذج الإجابة

ورقة كاملة

Answer the following questions:

Question 1. (14 marks)

Correct the error(s) in the following PHP segments.

a- conn = mysqli_connected("root", " ");

b- if(mysqli_queries())
   else
     echo Error;

c- for($i = startrow; $i <= endrow; $i++)
    echo $conn->sheet[][][]{$col1}."
";

d- names=arr("Ahmed", "Mohamed", "Ali");
  foreach(names as $name)
    if(post["$name"]=name)
      check=1;

e- $cars = arr("Volvo", "BMW", "Toyota");
  $clength = count_arr(cars);
  print($cars);
  for(x = 0; x < ; x--)
    echo $cars[];

f- age = arr("Ali" > "35", "ahmed" > "30", "mohamed" > "50");
  echo "Ali is ".age[0]." years old";

g- arr = arr((11,22,18), (7,15,13));
  echo arr[1][0] . " " . arr[0][1] . "<br>";

Question 2. (8 marks)

Write the outputs of the following PHP segments.

a- echo "Today is " . date("Y/m/d") . "<br>";
  define("a", "welcome to PHP");
  echo a . "<br>";

b- $sq = "SELECT name FROM users";
  $result = mysqli_query($conn, $sq);
  for($i = 1; $i <= 5; $i++){
    $ rows = mysqli_fetch_array($result);
    echo $rows[0]." ".$rows[1]." ".$rows[2]." ".$rows[3]. "<br>";
  }

c- $count = 0 ; $f1 = 0; $f2 = 1; echo $f1." , "; echo $f2." , ";
  while ($count < 20) {
    $f3 = $f2 + $f1 ;
    echo $f3." , ";
    $f1 = $f2 ;
    $f2 = $f3 ;
    $count = $count + 1;
  }   **Page 1-2**

Question 3. (28 marks)

a- Write PHP code to read the contents of given text file and also write a given message to a another text file.

b- Write PHP code to send email

c- Write PHP code to sort the elements of an array in ascending order

d- Using PHP, HTML, and MySQL and assume we have a database ,db1.

  I- Create the project (Pro_No, Pro_Name , Cost) table.

  II- Insert three projects in the project table.

  III- Create the following form and write a script that allows a user to view the information about a particular project (Search button) and also allow the user to update the cost of a particular project with new cost (Update button).

Project Number [   ]

New Cost [   ]

[Search] [Update]

e- Write PHP code to read the data in the following excel sheet and print them

	A	B	C	D
1	ID	Name	Address	email
2	1	Ali	Cairo	Ali@yahoo.com
3	2	Mohamed	Benha	Mohamed@gmail.com
4	3	Hassan	Alex.	Hassan@gmail.com

Model Answer

Answer of Question 1

a- $conn = mysqli_connect("localhost", "root", "", "db3");

b- if(mysqli_query($conn, $q1)) { //$conn is the connection
    echo "New record created successfully";
  }
  else{
    echo "Error";
  }

c- for($i = $startrow; $i <= $endrow; $i++)
   echo $conn->sheets[1]["cells"][$i][$col1]."
";

d- $names=array("Ahmed", "Mohamed", "Ali");
  foreach($names as $name){
   if($_POST["name"]==$name)
     $check=1;
  }

e- $cars = array("Volvo", "BMW", "Toyota");
  $clength = count($cars);
  print_r($cars);
  for($x = 0; $x < $clength; $x++)
   echo $cars[$x];

f- $age = array("Ali" => "35", "ahmed" => "30", "mohamed" => "50");
  echo "Ali is ".$age['Ali']." years old";

g- $arr = array(array(11,22,18), array(7,15,13));
  echo $arr[1][0] . " " . $arr[0][1] . "<br>";

Answer of Question 2

a- Today is 2016/01/02
  welcome to PHP

b- 26   Ali   ahmed123   ali@yahoo.com
   40   Ahmed   ah777   ahmed@yahoo.com
   41   Mohamed moh345   mohamed@yahoo.com
   42   Hassan   has217   hassan@yahoo.com
   43   Essam   moh777   essam@yahoo.com

c- 0 , 1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 , 89 , 144 , 233 , 377 , 610 , 987 , 1597 , 2584 , 4181 , 6765 , 10946 ,

Answer of Question 3

a-

```php
<?php
  echo "<br>";
  echo readfile("file1.txt");
  echo "<br>";
  $myfile = fopen("file2.txt", "w") or die("Unable to open file!");
```

```php
  $message = "welcome to PHP \n";
  fwrite($myfile, $message);
?>
```

b-
```php
<?php
  $emailTo="sallam.ah@gmail.com";
  $subject="I hope this works!";
  $body="I think you're great";
  $headers="From: dweb.sallam@gmail.com";
  if (mail($emailTo, $subject, $body, $headers)) {
    echo "Mail sent successfully!";
  }
  else {
    echo "Mail not sent!";
  }
?>
```

c-
```php
<?php
  echo "<br>";
  $cars = array("Volvo", "BMW", "Toyota");
  sort($cars);
  print_r($cars);
  echo "<br>";
?>
```

d-
```html
<html>
<head>
<title>My First Webpage</title>
<meta charset="utf-8" />
<meta http-equiv="Content-type" content="text/html; charset=utf-8"
/>
<meta name="viewport" content="width=device-width, initial-
  scale=1" />
</head>
<body>
<div>
<form method="post">
<label for="project_no">Project Number</label>
<input name="project_no" type="text"/>
<br/>
<label for="new_cost">New Cost</label>
<input name="new_cost" type="text"/>
<br/>
<input type="submit" name="search" value="Search"/>
<input type="submit" name="update" value="Update"/>
```

```php
<br/>
<?php
  $conn = mysqli_connect("localhost", "root", "", "db1");
  if(mysqli_connect_error()){
    echo "couldnot access the database";
  }
  else
    echo "connection is done"."<br>";
  $q1 = "CREATE TABLE Project1 (Pro_No INT(6) UNSIGNED
  AUTO_INCREMENT PRIMARY KEY, Pro_Name
  VARCHAR(30) NOT NULL, Cost INT(10) NOT NULL)";

  $q2 = "INSERT INTO Project1 (Pro_No, Pro_Name, Cost)
  VALUES ('19','aaa','10000')";
  $q3 = "INSERT INTO Project1 (Pro_No, Pro_Name, Cost)
  VALUES ('29','bbb','15000')";
  $q4 = "INSERT INTO Project1 (Pro_No, Pro_Name, Cost)
  VALUES ('39','ccc','12000')";
  if(mysqli_query($conn, $q1)) { //$conn is the connection
    echo "New Table created successfully";
  }
  else{
    echo "Error";
  }

  if(mysqli_query($conn, $q2) && mysqli_query($conn, $q3) &&
  mysqli_query($conn, $q4)) {
    echo "New Project inserted successfully";
  }
  else{
    echo "Error";
  }

  $Project_Number = $_POST["project_no"];
  $New_Cost = $_POST["new_cost"];

  if($_POST["search"]){
    $q5 = "SELECT * FROM Project1";
    $result = mysqli_query($conn, $q5);

    while ($result->num_rows > 0){
      $rows = mysqli_fetch_array($result);
      $id = $rows[0];
      if($Project_Number == $id)
        echo $rows[0]."   ".$rows[1]."   ".$rows[2]."<br>";
    }

  }
```

```php
    if($_POST["update"]){
       $q6 = "update  Project1 set Cost = $New_Cost where Pro_No =
       $Project_Number";
       mysqli_query($conn, $q6);
     }

    ?>
</body>
</html>

e-
  <?php
  for ($x = 1; $x <= count($conn->sheets[0]["cells"]); $x++) {
     echo  $conn->sheets[0]["cells"][$x][1]."  " ;
     echo  $conn->sheets[0]["cells"][$x][2]."  ";
     echo  $conn->sheets[0]["cells"][$x][3] ."  ";
     echo  $conn->sheets[0]["cells"][$x][4] ."<br>";
  }
?>
```