

يوم الامتحان: الاربعا

المستوي الرابع (حاسب)

تاريخ الامتحان: ٤ / ١ / ٢٠١٧ م

المادة: موضوعات مختارة في علوم الحاسب ٢ (٤٥٥ رس)

الممتحن: د/ مصعب عبد الحميد محمد حسان

مدرس بقسم الرياضيات بكلية العلوم

الاسئلة و نموذج الإجابة

ورقة كاملة



b- Write PHP code to sort the elements of an array in increasing order. (5 marks)

Page 1-2

c- Write PHP code to read the data in the following excel sheet and print them. (5 marks)

	A	B	C	D
1	Name	Ssn	Salary	Dno
2	Ahmed	1121	1100	1
3	Ali	2022	1000	2
4	Hassan	1115	1400	2
5	Mohamed	4303	1200	1
6	Essam	3532	1500	3

d- Using PHP, HTML, and MySQL and assume we have a database ,db1. (11 marks)

- I- Create Student\_Table (Student\_Number, Student\_Name , Student\_Score1, Student\_Score2, Student\_Score3, Major\_ID) and Major\_Table(Major\_ID, Major).
- II- Insert three students in the Student table and insert two majors in the Major table.
- III- Create the following form and write a script that allows a user to view the information about a particular student such as the student name, the average of the three scores, and the major.

Student Number

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*Best Wishes*  
*Dr. Mosab Abd El-Hameed*

## Model Answer

Selected Topics in Computer Science (2) (MC455) for Fourth Level Students (Computer Science)

### Answer of Question 1.

```

a- mysqli_query($conn, $q2);
b- if(mysqli_connect_error())
    echo "error";
c- $conn = new Spreadsheet_Excel_Reader();
d- $conn = mysqli_connect("localhost", "root", "", "task1");
e- $myfile = fopen("newfile.txt", "w") or die("Unable to open file!");
f- if ($sum >= 90) {
    $grade = "A";
}
g- define("a","b");

```

### Answer of Question 2.

a-  $\text{sum}(a) = 8$

b- Key: 0; Value: one  
 Key: 1; Value: two  
 Key: 2; Value: three  
 Key: 3; Value: four

c- 7 22

### Answer of Question 3.

```

a- <?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!";
    }
?>

```

```

b-
<?php
$numbers = array(4, 6, 2, 22, 11);

```

```
sort($numbers);
```

```
$arrlength = count($numbers);  
for($x = 0; $x < $arrlength; $x++) {  
    echo $numbers[$x];  
    echo "<br>";  
}  
?>
```

c-

```
<?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>\";  
}  
?>
```

d- <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=\"student_no\"> Student Number </label>  
<input name=\" student_no \" type=\"text\"/>  
<br/>  
<input type=\"submit\" name=\"search\" value=\"Search\"/>  
<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 Student_Table (Student_Number INT(6)
UNSIGNED AUTO_INCREMENT PRIMARY KEY,
Student_Name VARCHAR(30) NOT NULL, Student_Score1
INT(6), Student_Score2 INT(6), Student_Score3 INT(6), Major_ID
INT(6))";
    $q2 = "INSERT INTO Student_Table (Student_Number,
Student_Name, Student_Score1, Student_Score2, Student_Score3,
Major_ID) VALUES ('1','Ahmed','55','50', '60', '1')";
    $q3 = "INSERT INTO Student_Table (Student_Number,
Student_Name, Student_Score1, Student_Score2, Student_Score3,
Major_ID) VALUES ('2','Ali','75','70', '80', '2')";
    $q4 = "INSERT INTO Student_Table (Student_Number,
Student_Name, Student_Score1, Student_Score2, Student_Score3,
Major_ID) VALUES ('3','hasan','85','75', '75', '2')";

    $q5 = "CREATE TABLE Major_Table (Major_id INT(6)
UNSIGNED AUTO_INCREMENT PRIMARY KEY, Major
VARCHAR(30) NOT NULL)";

    $q6 = "INSERT INTO Major_Table (Major_id, Major) VALUES
('1', 'Computer Science')";

    $q7 = "INSERT INTO Major_Table (Major_id, Major) VALUES
('2', 'Mathematics')";

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

    if(mysqli_query($conn, $q5)) { //$conn is the connection
        echo "New Major Table created successfully";
    }
    else{
        echo "Error";
    }

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

```

```
}
```

```
if(mysqli_query($conn, $q6) && mysqli_query($conn, $q7)) {  
    echo "Majors inserted successfully";  
}  
else{  
    echo "Error";  
}
```

```
$Std_Number = $_POST["student_no"];
```

```
$q8 = "SELECT s. Student_Number, s. Student_Name,  
s.Student_Score1, s.Student_Score2, s.Student_Score3, m. Major  
FROM Student_Table AS s INNER JOIN Major_Table AS m ON s.  
Major_ID = m. Major_id";
```

```
$result = mysqli_query($conn, $q8);
```

```
if($_POST["search"]){  
    $m = $result->num_rows;  
    while ($m > 0){  
        $rows = mysqli_fetch_array($result);  
        $id = $rows[0];  
        if($Std_Number == $id){  
            $avg = ($rows[2] + $rows[3] + $rows[4])/3;  
            echo $rows[1]." ".$avg." ".$rows[5]."<br>";  
        }  
        $m--;  
    }  
}
```

```
?>
```

```
</body>
```

```
</html>
```

