IT-230 Web Technologies

 Assignment #4

Due Date:

Copied answers will get Zero mark

Q1: (1 Mark)

**Differentiate Buffered and Unbuffered Queries.**

**Ans:**

* **Buffered queries** will retrieve the query results and store them in memory on the client side, and subsequent calls to get rows will simply spool through local memory.

Buffered queries have the advantage that you can seek in them, which means that you can move the “current row” pointer around in the result set freely because it is all in the client. Their disadvantage is that extra memory is required to store the result set, which could be very large, and that the PHP function used to run the query does not return until all the results have been retrieved.

* **Unbuffered queries** , on the other hand, limit you to a strict sequential access of the results but do not require any extra memory for storing the entire result set. You can start fetching and processing or displaying rows as soon as the MySQL server starts returning them. When using an unbuffered result set, you have to retrieve all rows with mysqli\_fetch\_row or close the result set with mysqli\_free\_result before sending any other command to the server.

Q2: (3 marks)

Create an **order.php** page that will have a form which takes in:

a) Name (text)

b) Address (textarea)

c) 3 Items. Each item has 2 text input fields:

 − Item 1 : Name and Price

− Item 2 : Name and Price

− Item 3 : Name and Price

d) Discount: (select tag: “5%; 10%; 15%”) Submit value as 5, 10, or 15.

e) Submit button (“Place Order”)



Upon submission, the data is passed to a page called **bill.php** which processes the order. All amounts must be formatted to display as proper Saudi Riyal values, with SAR letters and correct precision.

**bill.php** does the following:

Calculate Total: = “Item 1 Price” + “Item 2 Price” + “Item 3 Price”

Calculate Discount: = Passed Discount / 100 ex: 10/100

Calculate Discount Amount = Total \* Discount

Calculate Total Bill: = Total – (Discount Amount)

Displays the Name

Displays the address, with all the html tags stripped out.

Displays items ordered, Name and Price

Display Total price, Discount price, and the Discount Percent.

Display Total Bill.

**Sample Output:**

**Name:** Bob Smith

**Ship To:** 1 Main St. Toronto, Ontario

**Order:**

*SAR* 10.99 Radio

*SAR* 25.49 Ethernet Cable

*SAR* 45.99 USB Key

**Summed Total:** *SAR* 84.47

**Discount: (**15%) *SAR* 12.38

**Bill Total:** *SAR* 72.10

**Ans:**

**Order.php**

**<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"**

 **"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">**

**<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">**

**<head>**

 **<meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>**

 **<title>Order page</title>**

**</head>**

**<body>**

**<form action="bill.php" method="get">**

 **<p>Name:<br />**

 **<input type="text" name="name" size="20" /></p>**

 **<p>Address:<br />**

 **<textarea name="address" rows="2" cols="25"></textarea></p>**

 **<p>Order:</p>**

 **<pre><h3> Item Price</h3></pre>**

 **<p>Item 1 <input type="text" name="item1" size="15" /> <input type="text" name="price1" size="15" /></p>**

 **<p>Item 2 <input type="text" name="item2" size="15" /> <input type="text" name="price2" size="15" /></p>**

 **<p>Item 3 <input type="text" name="item3" size="15" /> <input type="text" name="price3" size="15" /></p>**

 **<p>Discount:**

 **<select name="discount">**

 **<option value="5">5%</option>**

 **<option value="10">10%</option>**

 **<option value="15">15%</option>**

 **</select>**

 **<br /><br />**

 **<input type="submit" name="submit" value="Place Order" />**

**</form>**

**</div>**

**</body>**

**</html>**

**Bill.php**

**<?php**

 **echo "<b>Name: </b>";**

 **$name =trim($\_GET['name']);**

 **if (empty($name)) {**

 **print 'Please enter a name';**

 **}**

 **echo $name;**

 **echo '<br />';**

 **echo "<b>Ship To: </b>";**

 **$address = $\_GET['address'];**

 **$address = strip\_tags($address);**

 **$address = nl2br($address);**

 **$address = trim($address);**

 **if (empty($address)) {**

 **print 'Please enter an address';**

 **}**

 **echo $address;**

 **echo '<br />';**

 **echo '<br />';**

 **echo "<b>Order:</b>";**

 **echo '<br />';**

 **$price1 = $\_GET['price1'];**

 **$price1 = trim($price1);**

 **$item1= trim($\_GET['item1']);**

 **$price2 = $\_GET['price2'];**

 **$price2 = trim($price2);**

 **$item2= trim($\_GET['item2']);**

 **$price3 = $\_GET['price3'];**

 **$price3 = trim($price3);**

 **$item3= trim($\_GET['item3']);**

 **if ( (empty($price1) || empty($item1)) && ((empty($price2) || empty($item2)) && (empty($price3) || empty($item3)))) {**

 **print 'Please enter an item and it\'s price';**

 **}**

 **else{**

 **if (! is\_numeric($price1)) {**

 **print '(Invalid price)';**

 **}**

 **else{**

 **echo "$";**

 **echo $price1;}**

 **echo " ";**

 **echo $item1;**

 **echo '<br />';**

 **if (! is\_numeric($price2)) {**

 **print '(Invalid price)';**

 **}**

 **else{**

 **echo "$";**

 **echo $price2;}**

 **echo " ";**

 **echo $item2;**

 **echo '<br />';**

 **if (! is\_numeric($price3)) {**

 **print '(Invalid price)';**

 **}**

 **else{**

 **echo "$";**

 **echo $price3;}**

 **echo " ";**

 **echo $item3;}**

 **echo '<br />';**

 **$calculate\_total = $price1+ $price2 + $price3 ;**

 **echo "<b>Summed Total:&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp</b>$";**

 **echo number\_format($calculate\_total,2);**

 **echo '<br />';**

 **$passed\_discount = $\_GET['discount'];**

 **$calculate\_discount = $passed\_discount / 100;**

 **$calculate\_discount\_amount = $calculate\_total \* $calculate\_discount;**

 **echo "<b>Discount:&nbsp&nbsp&nbsp&nbsp&nbsp</b>";**

 **echo "(";**

 **echo $passed\_discount;**

 **echo "%)";**

 **echo "&nbsp&nbsp&nbsp $";**

 **echo number\_format($calculate\_discount\_amount,2);**

 **$bill\_total = $calculate\_total - $calculate\_discount\_amount;**

 **echo '<br />';**

 **echo "<b>Bill Total: &nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp</b>";**

 **echo "$";**

 **echo number\_format($bill\_total,2);**

**?>**