

EXAM 1

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```
/* Question 25 */
```

```
SELECT CustomerID as [customerID], Name as [CustomerName], City, StateName as [State]  
FROM Customers C INNER JOIN States S ON  
    C.State = S.StateCode  
WHERE City = 'Phoenix'
```

100 %

Results Messages

	customerID	CustomerName	City	State
1	14	Guthrie, Rawle	Phoenix	Arizona
2	132	Daniel, Jody	Phoenix	Arizona
3	169	Henry, Benjamin	Phoenix	Arizona
4	189	Karri, Lisa	Phoenix	Arizona
5	232	Murphy, Dean	Phoenix	Arizona
6	557	Landin, Peggy	Phoenix	Arizona

```
/* Question 26 */
```

```
SELECT ProductCode, Description  
FROM Products P  
WHERE ProductCode NOT IN (SELECT ProductCode FROM InvoiceLineItems)
```

100 %

Results Messages

	ProductCode	Description
1	2JST	Murach's JavaScript (2nd Edition)
2	2QRY	Murach's jQuery (2nd Edition)
3	ADC4	Murach's ADO.NET 4 with C# 2010
4	MCBL	Murach's Structured COBOL
5	MCCP	Murach's CICS for the COBOL Programmer

/* Question 27 */

```
SELECT Name, ItemTotal as [TotalPurchased]
FROM Customers, InvoiceLineItems
WHERE (SELECT ItemTotal FROM InvoiceLineItems InvLI INNER JOIN Invoices Inv ON
      ~~~~~
      InvLI.InvoiceID = Inv.InvoiceID
      GROUP BY InvLI.InvoiceID
      HAVING ItemTotal > 400.00)
```

/* Question 28 */

```
SELECT Name, Description, InvLI.InvoiceID, InvLI.Quantity, FORMAT(P.UnitPrice, 'C') as [UnitPrice]
FROM ((Customers C INNER JOIN Invoices Inv ON
      C.CustomerID = Inv.CustomerID) INNER JOIN InvoiceLineItems InvLI ON
      (Inv.InvoiceID = InvLI.InvoiceID)) INNER JOIN Products P ON
      InvLI.ProductCode = P.ProductCode
WHERE P.ProductCode = 'JAVP'
```

100 %

Results Messages

	Name	Description	InvoiceID	Quantity	UnitPrice
1	Galloway, Mariola	Murach's Java Programming	43	1	\$56.50
2	Anderson, Randy	Murach's Java Programming	117	1	\$56.50

/* Question 29 */

```
SELECT SUM(ProductCode) as [Num of Books],  
       FORMAT(CAST(ROUND(SUM(ItemTotal),2) AS NUMERIC(18,2)), 'C'),  
       FORMAT(CAST(ROUND(MIN(ItemTotal),2) AS NUMERIC(18,2)), 'C') ,  
       FORMAT(CAST(ROUND(MAX(ItemTotal),2) AS NUMERIC(18,2)), 'C'),  
       FORMAT(CAST(ROUND(AVG(ItemTotal),2) AS NUMERIC(18,2)), 'C')  
FROM (SELECT DISTINCT(Invi.InvoiceID), COUNT(DISTINCT P.ProductCode), Description,  
      SUM(ItemTotal) as [ItemTotal]  
FROM (Products P INNER JOIN InvoiceLineItems ILI ON  
      P.ProductCode = ILI.ProductCode) INNER JOIN Invoices Invi  
      ON ILI.InvoiceID = Invi.InvoiceID  
      WHERE Description like 'Program'  
GROUP BY Invi.InvoiceID) Ad
```


