

Lab 8

Interface Design Using Access & Importing Data and Graphing Using Excel

Your Name: Rashika Singh

Date: 11/4/2019

You have one week from the assigned date of this lab to submit this completed **paper sheet** to Professor Rieks for grading. Copy / Paste the images as requested in the lab. Make sure you label each section appropriately so Professor Rieks can identify each properly.

Exercise 1: ACCESS FORMS AND REPORTS:

Screen capture of Orders by Customers

The screenshot shows the Microsoft Access application window titled 'IST659 Lab 8 : Database- \\hd.ad.syr.edu\03\ecce89\Documents\IST659 Lab 8.accdb (Access 2007 - 2016 file format) - Access'. The user is 'Rashika Pramod Singh'. The 'Orders by Customer' form is open, showing the following data:

Field	Value
FirstName	Maria
OrderDate	8/25/2013
OrderNumber	542773
TotalAmount	1086
LastName	Anders
City	Berlin
Country	Germany
Phone	030-0074321

Below the customer information, the 'Items Ordered' section displays a table with the following data:

UnitPrice	Quantity	ProductName
45.6	15	Rössle Sauerkraut
18	21	Chartreuse verte
12	2	Spegesild

The status bar at the bottom indicates 'Record: 1 of 830'.

Quantity 15

Object Explorer

Connect

IST659_M006_rzhu20
IST659_M006_shladdha
IST659_M006_skim190
IST659_M006_srehfuss
IST659_M006_ssawan04
IST659_M006_syoon08
IST659_M006_uydesai
IST659_M006_ygao65
IST659_M006_yhe187
IST659_M006_zzhou56
IST659_M007_abhala
IST659_M007_asingh73
IST659_M007_dgnayak
IST659_M007_iparekh
IST659_M007_jalaldrd
IST659_M007_jsalunkh
IST659_M007_msun22
IST659_M007_njohns17
IST659_M007_pdsankpa
IST659_M007_pgupta08
IST659_M007_pjamesa
IST659_M007_pohuang
IST659_M007_rsingh37
Database Diagrams
Tables
System Tables
FileTables
dbo.Customer
dbo.Employees
dbo.Order
dbo.OrderItem
dbo.Product
dbo.Supplier
Views
Synonyms
Programmability

SQLQuery1.sql - IST...(AD\rsingh37 (238))*

```
SELECT Customer.FirstName, Customer.LastName, [Order].OrderDate, [Order].TotalAmount, [Order].OrderNumber, quantity, package, productname, OrderItem
FROM Customer
INNER JOIN [Order] ON Customer.Id = [Order].CustomerId INNER JOIN
OrderItem ON [Order].Id = OrderItem.OrderId INNER JOIN
Product ON OrderItem.ProductId = Product.Id INNER JOIN
Supplier ON Product.SupplierId = Supplier.Id
where ordernumber = 542773
```

Results

	FirstName	LastName	OrderDate	TotalAmount	OrderNumber	quantity	package	productname	UnitPrice
1	Maria	Anders	2013-08-25 00:00:00.000	1086.00	542773	15	25 - 825 g cans	Rössle Sauerkraut	45.60
2	Maria	Anders	2013-08-25 00:00:00.000	1086.00	542773	21	750 cc per bottle	Chartreuse verte	18.00
3	Maria	Anders	2013-08-25 00:00:00.000	1086.00	542773	2	4 - 450 g glasses	Spegesild	12.00

Quantity 20

Object Explorer

Connect

IST659_M006_rzhu20
IST659_M006_shladdha
IST659_M006_skim190
IST659_M006_srehfuss
IST659_M006_ssawan04
IST659_M006_syoon08
IST659_M006_uydesai
IST659_M006_ygao65
IST659_M006_yhe187
IST659_M006_zzhou56
IST659_M007_abhala
IST659_M007_asingh73
IST659_M007_dgnayak
IST659_M007_iparekh
IST659_M007_jalaldrd
IST659_M007_jsalunkh
IST659_M007_msun22
IST659_M007_njohns17
IST659_M007_pdsankpa
IST659_M007_pgupta08
IST659_M007_pjamesa
IST659_M007_pohuang
IST659_M007_rsingh37
Database Diagrams
Tables
System Tables
FileTables
dbo.Customer
dbo.Employees
dbo.Order
dbo.OrderItem
dbo.Product
dbo.Supplier
Views
Synonyms
Programmability

SQLQuery1.sql - IST...(AD\rsingh37 (238))*

```
SELECT Customer.FirstName, Customer.LastName, [Order].OrderDate, [Order].TotalAmount, [Order].OrderNumber, quantity, package, productname, OrderItem
FROM Customer
INNER JOIN [Order] ON Customer.Id = [Order].CustomerId INNER JOIN
OrderItem ON [Order].Id = OrderItem.OrderId INNER JOIN
Product ON OrderItem.ProductId = Product.Id INNER JOIN
Supplier ON Product.SupplierId = Supplier.Id
where ordernumber = 542773
```

Results

	FirstName	LastName	OrderDate	TotalAmount	OrderNumber	quantity	package	productname	UnitPrice
1	Maria	Anders	2013-08-25 00:00:00.000	1086.00	542773	20	25 - 825 g cans	Rössle Sauerkraut	45.60
2	Maria	Anders	2013-08-25 00:00:00.000	1086.00	542773	21	750 cc per bottle	Chartreuse verte	18.00
3	Maria	Anders	2013-08-25 00:00:00.000	1086.00	542773	2	4 - 450 g glasses	Spegesild	12.00

Report using report wizard

Customer

FirstName	LastName	OrderDate	OrderNumber	TotalAmount	UnitPrice
Maria	Anders	8/25/2013	542773	1086	45.6
					18
					12
		10/3/2013	542822	878	43.9
		10/13/2013	542832	330	18
					10
		1/15/2014	542965	851	55
					13
		3/16/2014	543082	491.2	45.6
					25
		4/9/2014	543141	960	21.5
					13.25
		Ana	Trujillo	9/18/2012	542438
					12
		8/8/2013	542755	479.75	34
					14
					23.25
		11/28/2013	542889	320	32
		3/4/2014	543056	514.4	21
					34.8
					9.2

Exercise 2 LINKED EXCEL VIEW AND GRAPHING:

Excel Data View

IST-S-STUDENTS2.I...ngh37 - dbo.View_1* SQLQuery1.sql - IST... (AD\rsingh37 (238)) sample-data.sql - [...] (AD\rsingh37 (226)) Create- tables.sql - [...] (AD\rsingh37 (224))

Order Table Columns:

- ☐ * (All Columns)
- ☐ Id
- ☐ OrderDate
- ☒ OrderNumber
- ☐ CustomerId

Product Table Columns:

- ☐ * (All Columns)
- ☐ Id
- ☒ ProductName
- ☐ SupplierId
- ☐ UnitPrice

Column	Alias	Table	Outp...	Sort Type	Sort Order	Filter	Or...	Or...	Or...
OrderNumber		[Order]	<input checked="" type="checkbox"/>						
ProductName		Product	<input checked="" type="checkbox"/>						
TotalAmount		[Order]	<input checked="" type="checkbox"/>			BETWEEN 10...			

```
SELECT
FROM      dbo.[Order].OrderNumber, dbo.Product.ProductName, dbo.[Order].TotalAmount
FROM      dbo.[Order] INNER JOIN
          dbo.Product ON dbo.[Order].Id = dbo.Product.Id
WHERE     (dbo.[Order].TotalAmount BETWEEN 100 AND 200)
```

OrderNumber	ProductName	TotalAmount
542389	Queso Manchego...	100.80
542412	Steeleye Stout	155.40
542425	Chocolade	121.60
542443	Louisiana Hot S...	182.40
542451	Longlife Tofu	144.00
542452	Rhönbräu Klost...	112.00
542453	Lakkalikööri	164.40

Excel linked database

A	B	C	D
OrderNumber	ProductName	TotalAmount	
542389	Queso Manchego La Pastora	100.8	
542412	Steeleye Stout	155.4	
542425	Chocolade	121.6	
542443	Louisiana Hot Spiced Okra	182.4	
542451	Longlife Tofu	144	
542452	Rhönbräu Klosterbier	112	
542453	Lakkalikööri	164.4	

Excel 2-D column chart

