

Lab9

Data Quality & Integration

Your Name: Rashika Singh

Date: 11/11/2019

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.

PART #1: Importing Data and creating a new Table

Preview Data

Import Flat File 'IST659_M007_rsingh37'

Preview Data

Introduction
Specify Input File
Preview Data
Modify Columns
Summary
Results

Preview Data

This operation analyzed the input file structure to generate the preview below for up to the first 50 rows.

Emp_ID	Name_Prefix	First_Name	Middle_Initial	Last_Name	Gender
677509	Drs.	Lois	H	Walker	F
940761	Ms.	Brenda	S	Robinson	F
428945	Dr.	Joe	W	Robinson	M
408351	Drs.	Diane	I	Evans	F
193819	Mr.	Benjamin	R	Russell	M
499687	Mr.	Patrick	F	Bailey	M
539712	Ms.	Nancy	T	Baker	F
380086	Mrs.	Carol	V	Murphy	F
477616	Hon.	Frances	B	Young	F
162402	Hon.	Diana	T	Peterson	F
231469	Mr.	Ralph	L	Flores	M
153989	Prof.	Jack	C	Alexander	M
386158	Mrs.	Melissa	Q	King	F
301576	Hon.	Wayne	G	Watson	M
441771	Mr.	Charles	D	Scott	F

Column names changed due to invalid characters, duplication, etc. Column names can be edited in Modify Columns page.

< Previous Next > Cancel

dbo.DataExtractFromHRSytem

Object Explorer

Connect

IST659_M006_zzhou56

IST659_M007_abhala

IST659_M007_asingh73

IST659_M007_dgnayak

IST659_M007_iparekh

IST659_M007_jlaldrid

IST659_M007_jsalunkh

IST659_M007_msun22

IST659_M007_njohns17

IST659_M007_pdsankpa

IST659_M007_pgupta08

IST659_M007_pjjamesa

IST659_M007_pohuang

IST659_M007_rsingh37

Database Diagrams

Tables

System Tables

File Tables

dbo.Customer

dbo.DataExtractFrom

Columns

Keys

Constraints

Triggers

Indexes

Statistics

dbo.Employees

dbo.Order

dbo.OrderItem

dbo.Product

dbo.Supplier

Views

Synonyms

Programmability

Service Broker

Storage

SQLQuery1.sql - IST... (AD\rsingh37 (74))

Script for SelectTopNRows command from SSMS *****

```
SELECT TOP (1000) [Emp_ID]
      [Name_Prefix]
      [First_Name]
      [Middle_Initial]
      [Last_Name]
      [Gender]
      [E_Mail]
      [Father_s_Name]
      [Mother_s_Name]
      [Mother_s_Maiden_Name]
      [Date_of_Birth]
      [Age_in_Company_Years]
      [Salary]
      [Last_Raise]
      [SSN]
      [Phone_Number]
      [User_Name]
      [Job_Title]
FROM [IST659_M007_rsingh37].[dbo].[DataExtractFromHRSysm]
```

100 %

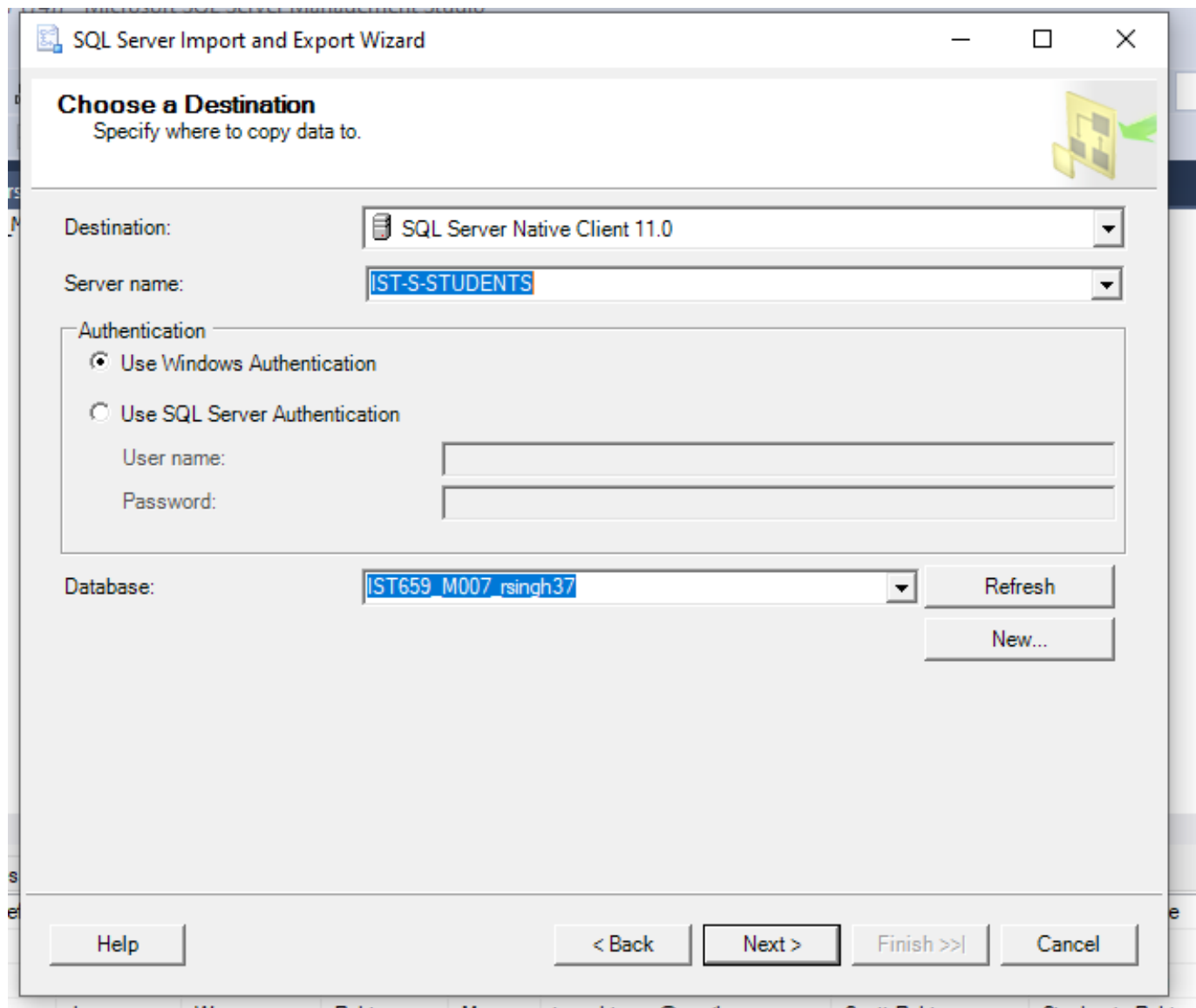
Results

Messages

	Emp_ID	Name_Prefix	First_Name	Middle_Initial	Last_Name	Gender	E_Mail	Father_s_Name	Mother_s_Name	Mother_s_Maiden_Name	Date_of_Birth	Age_in_Company_Yea
1	677509	Drs.	Lois	H	Walker	F	lois.walker@hotmail.com	Donald Walker	Helen Walker	Lewis	1981-03-29	13.68
2	940761	Ms.	Brenda	S	Robinson	F	brenda.robinson@gmail.com	Raymond Robinson	Judy Robinson	Peny	1970-07-31	9.01
3	428945	Dr.	Joe	W	Robinson	M	joe.robinson@gmail.com	Scott Robinson	Stephanie Robinson	Taylor	1963-06-16	0.98
4	408351	Drs.	Diane	I	Evans	F	diane.evans@yahoo.com	Jason Evans	Michelle Evans	Allen	1977-12-04	18.3
5	193819	Mr.	Benjamin	R	Russell	M	benjamin.russell@charter.net	Gregory Russell	Elizabeth Russell	Nelson	1977-04-17	4.01
6	499687	Mr.	Patrick	F	Bailey	M	patrick.bailey@aol.com	Ralph Bailey	Laura Bailey	Henderson	1982-09-27	12.02
7	539712	Ms.	Nancy	T	Baker	F	nancy.baker@bp.com	Scott Baker	Judy Baker	Thomas	1995-06-13	0.87
8	380086	Mrs.	Carol	V	Murphy	F	carol.murphy@gmail.com	Eugene Murphy	Katherine Murphy	Peterson	1958-06-30	34.52
9	477616	Hon.	Frances	B	Young	F	frances.young@gmail.com	Fred Young	Lillian Young	Diaz	1959-06-09	23.27
10	162402	Hon.	Diana	T	Peterson	F	diana.peterson@hotmail.co.uk	Jonathan Peterson	Christina Peterson	Ross	1987-11-13	3.44
11	231469	Mr.	Ralph	L	Flores	M	ralph.flores@yahoo.com	Terry Flores	Michelle Flores	Moore	1975-02-05	8.29
12	153989	Prof.	Jack	C	Alexander	M	jack.alexander@gmail.com	Samuel Alexander	Sharon Alexander	Walker	1995-05-19	0.56
13	386158	Mrs.	Melissa	Q	King	F	melissa.king@comcast.net	Philip King	Maria King	White	1972-02-24	1.68
14	301576	Hon.	Wayne	G	Watson	M	wayne.watson@gmail.com	Ronald Watson	Mamaret Watson	Hause	1996-06-26	0.02

PART #2: Merging the new table named DataExtractFromHRSystem into your EMPLOYEES table

Choose a Destination Screen



The screenshot shows the 'Choose a Destination' step of the SQL Server Import and Export Wizard. The window title is 'SQL Server Import and Export Wizard'. The main heading is 'Choose a Destination' with the instruction 'Specify where to copy data to.' and a yellow folder icon with a green arrow.

The form contains the following fields and controls:

- Destination:** A dropdown menu showing 'SQL Server Native Client 11.0'.
- Server name:** A dropdown menu showing 'IST-S-STUDENTS'.
- Authentication:** A section with two radio buttons:
 - ☒ Use Windows Authentication
 - ☐ Use SQL Server Authentication
- User name:** A text input field (disabled when Windows Authentication is selected).
- Password:** A text input field (disabled when Windows Authentication is selected).
- Database:** A dropdown menu showing 'IST659_M007_rsingh37'.
- Buttons:** 'Refresh' and 'New...' buttons are located to the right of the Database dropdown.
- Navigation:** At the bottom, there are buttons for 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'.

Column Mapping Screen

Column Mappings

Source: \\hd.ad.syr.edu\03\ecce85\Documents\Desktop\DataExtractFromHRSys\tem\DataExtractFromHRSys\tem.txt

Destination: [dbo].[Employees]

☐ Create destination table

☐ Delete rows in destination table ☐ Drop and re-create destination table

☒ Append rows to the destination table ☒ Enable identity insert

Mappings:

Source	Destination	Type	Nullable	Size	Precision	Scale
Emp ID	employeeNumber	int	<input type="checkbox"/>			
Name Prefix	<ignore>					
First Name	firstName	varchar	<input type="checkbox"/>	50		
Middle Initial	<ignore>					
Last Name	lastName	varchar	<input type="checkbox"/>	50		
Gender	<ignore>					
E Mail	email	varchar	<input type="checkbox"/>	100		
Father's Name	<ignore>					
Mother's Name	<ignore>					
Mother's Maide...	<ignore>					
Date of Birth	<ignore>					

Source column: First Name string [DT_STR] (50)

Employee table

Object Explorer

Connect

IST659_M006_zzhou56

IST659_M007_abhala

IST659_M007_asingh73

IST659_M007_dgnayak

IST659_M007_iparekh

IST659_M007_jalalrid

IST659_M007_jsalunkh

IST659_M007_msun22

IST659_M007_njohns17

IST659_M007_pdsankpa

IST659_M007_pgupta08

IST659_M007_pjjamesa

IST659_M007_pohuang

IST659_M007_rsingh37

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Service Broker

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SQLQuery3.sql - IST... (AD\rsingh37 (211))

SQLQuery2.sql - IST... (AD\rsingh37 (250))

SQLQuery1.sql - IST... (AD\rsingh37 (74))

```

/***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP (1000) [employeeNumber]
, [lastName]
, [firstName]
, [extension]
, [email]
, [officeCode]
, [reportsTo]
, [jobTitle]
FROM [IST659_M007_rsingh37].[dbo].[Employees]

```

Results

	employeeNumber	lastName	firstName	extension	email	officeCode	reportsTo	jobTitle
1	1002	Murphy	Diane	x5800	dmurphy@classicmodelcars.com	1	NULL	President
2	1056	Patterson	Mary	x4611	mpatterson@classicmodelcars.com	1	1002	VP Sales
3	1076	Firelli	Jeff	x9273	jfirelli@classicmodelcars.com	1	1002	VP Marketing
4	1088	Patterson	William	x4871	wpatterson@classicmodelcars.com	6	1056	Sales Manager (APAC)
5	1102	Bondur	Gerard	x5408	gbondur@classicmodelcars.com	4	1056	Sale Manager (EMEA)
6	1143	Bow	Anthony	x5428	abow@classicmodelcars.com	1	1056	Sales Manager (NA)
7	1165	Jennings	Leslie	x3291	ljennings@classicmodelcars.com	1	1143	Sales Rep
8	1166	Thompson	Leslie	x4065	lthompson@classicmodelcars.com	1	1143	Sales Rep
9	1188	Firelli	Julie	x2173	jfirelli@classicmodelcars.com	2	1143	Sales Rep
10	1216	Patterson	Steve	x4334	spatterson@classicmodelcars.com	2	1143	Sales Rep
11	1286	Tseng	Foon Yue	x2248	ftseng@classicmodelcars.com	3	1143	Sales Rep
12	1323	Vanauf	George	x4102	gvanauf@classicmodelcars.com	3	1143	Sales Rep
13	1337	Bondur	Loui	x6493	lbondur@classicmodelcars.com	4	1102	Sales Rep
14	1370	Hernandez	Gerard	x2028	ghernandez@classicmodelcars.com	4	1102	Sales Rep
15	1401	Cottile	Paula	x2759	pcottile@classicmodelcars.com	4	1102	Sales Rep

Query executed successfully.

IST-S-STUDENTS (12.0 SP3) | AD\rsingh37 (211) | IST659_M007_rsingh37 | 00:00:00 | 123 rows