Practical No.1

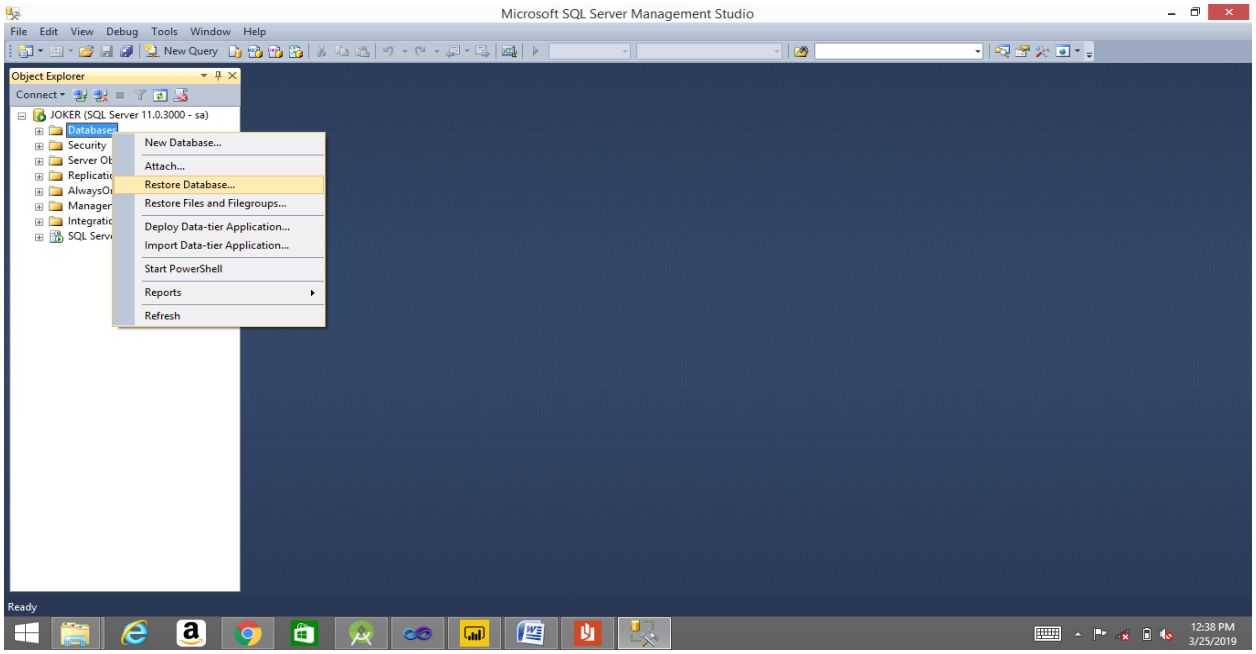
Import the legacy data from different sources such as (Excel , SqlServer, Oracle etc.) and load in the target system. (You can download sample database such as Adventureworks, Northwind, foodmart etc.)

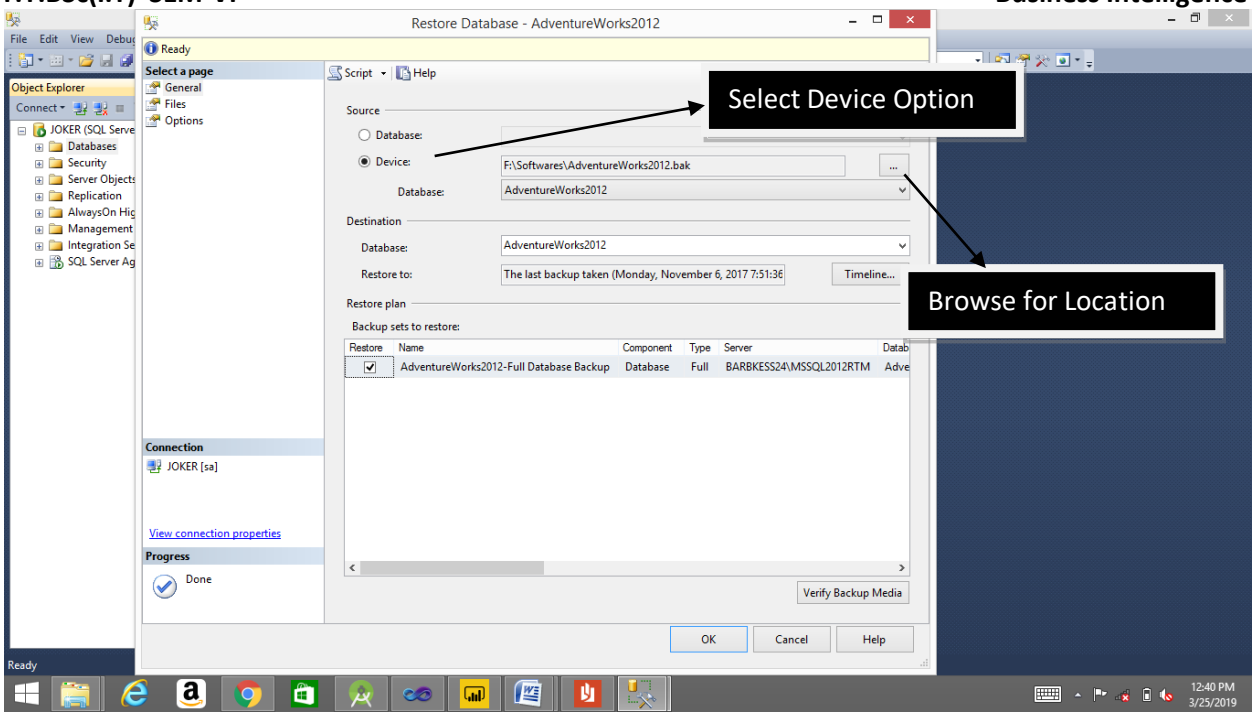
For this Practical we use Adventureworks Database(advantureworkdw.bak) So First We have to restore the database.

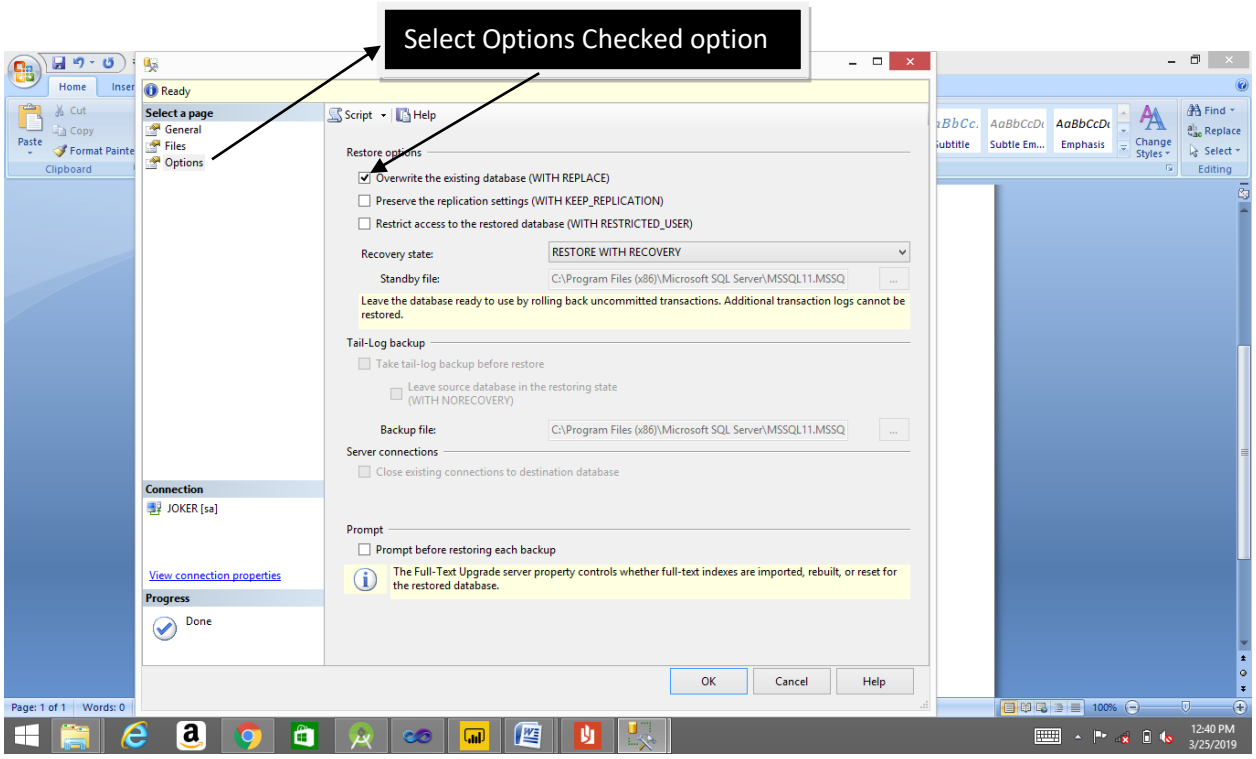
Click here to download advantureworks database.
https://www.google.com/search?q=adventureworksdw2012.bak&rlz=1C1CHBF_enIN853IN853&oq=advanturew&aqs=chrome.2.69i57j0l7.5255j1j7&sourceid=chrome&ie=UTF-8

Open SQL Server Management Studio 2012 and Login with SQL Server Authentication

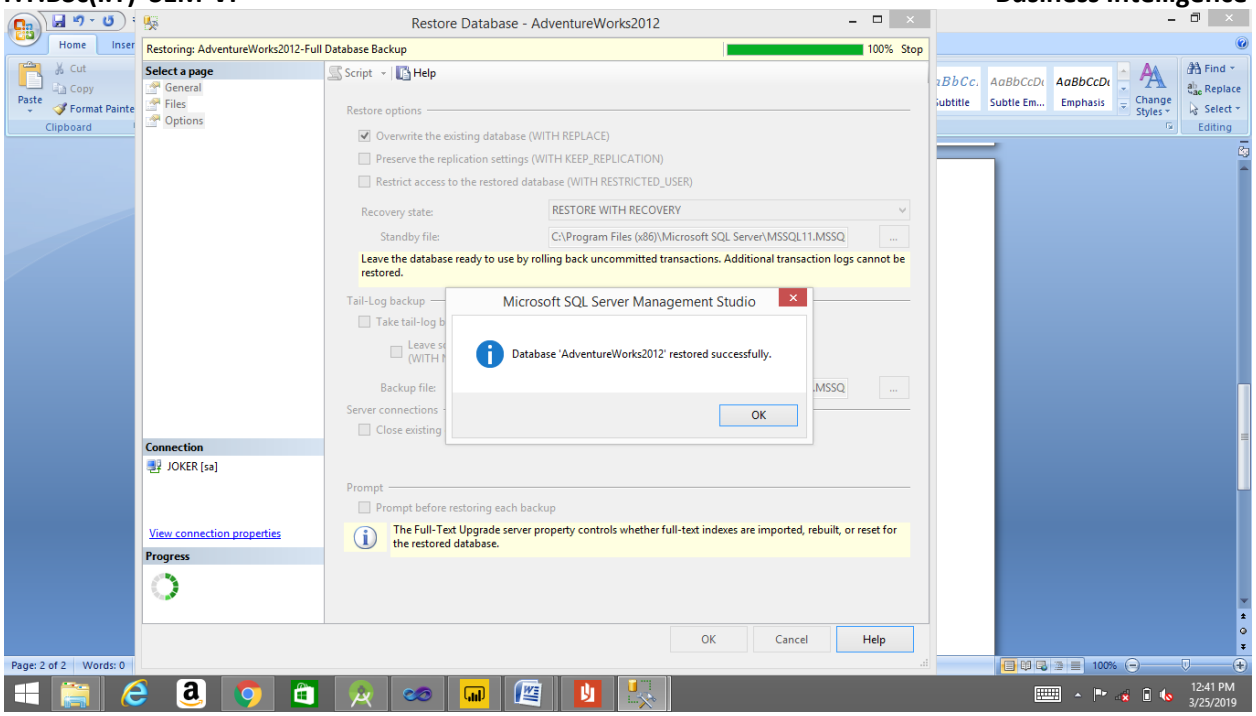
Enter username = sa and password = set during installation.




Restore Database - AdventureWorks2012
Select Device Option
Browse for Location
Source
Database:
Device:
F:\Softwares\AdventureWorks2012.bak
Database:
AdventureWorks2012
Destination
Database:
AdventureWorks2012
Restore to:
The last backup taken (Monday, November 6, 2017 7:51:36
Timeline...
Restore plan
Backup sets to restore:
Restore
Name
Component
Type
Server
AdventureWorks2012-Full Database Backup
Database
Full
BARBKESS24\MSSQL2012RTM
Verify Backup Media
OK
Cancel
Help
Select a page
General
Files
Options
Script
Help
Connection
JOKER [sa]
View connection properties
Progress
Done

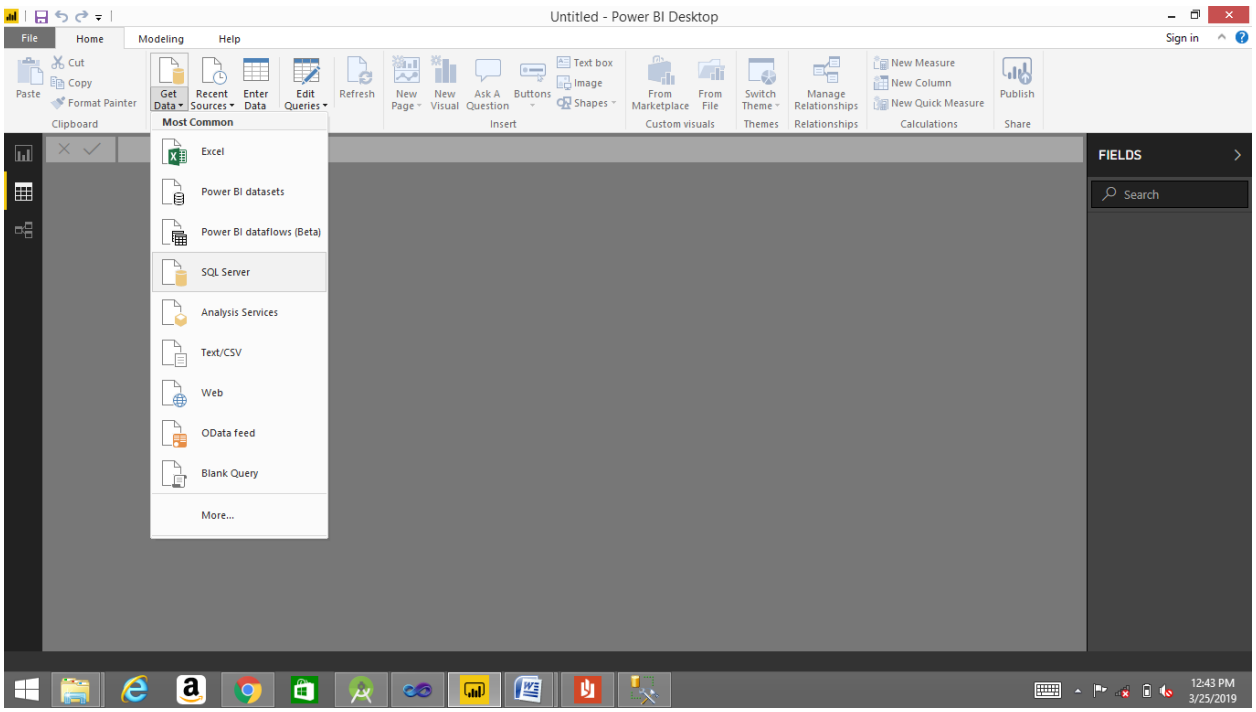

Select Options Checked option
Restore options
Overwrite the existing database (WITH REPLACE)
Preserve the replication settings (WITH KEEP_REPLICATION)
Restrict access to the restored database (WITH RESTRICTED_USER)
Recovery state:
RESTORE WITH RECOVERY
Standby file:
C:\Program Files (x86)\Microsoft SQL Server\MSSQL11.MSSQ
Leave the database ready to use by rolling back uncommitted transactions. Additional transaction logs cannot be restored.
Tail-Log backup
Take tail-log backup before restore
Leave source database in the restoring state (WITH NORECOVERY)
Backup file:
C:\Program Files (x86)\Microsoft SQL Server\MSSQL11.MSSQ
Server connections
Close existing connections to destination database
Prompt
Prompt before restoring each backup
The Full-Text Upgrade server property controls whether full-text indexes are imported, rebuilt, or reset for the restored database.
OK
Cancel
Help
Select a page
General
Files
Options
Script
Help
Connection
JOKER [sa]
View connection properties
Progress
Done

Click on OK.

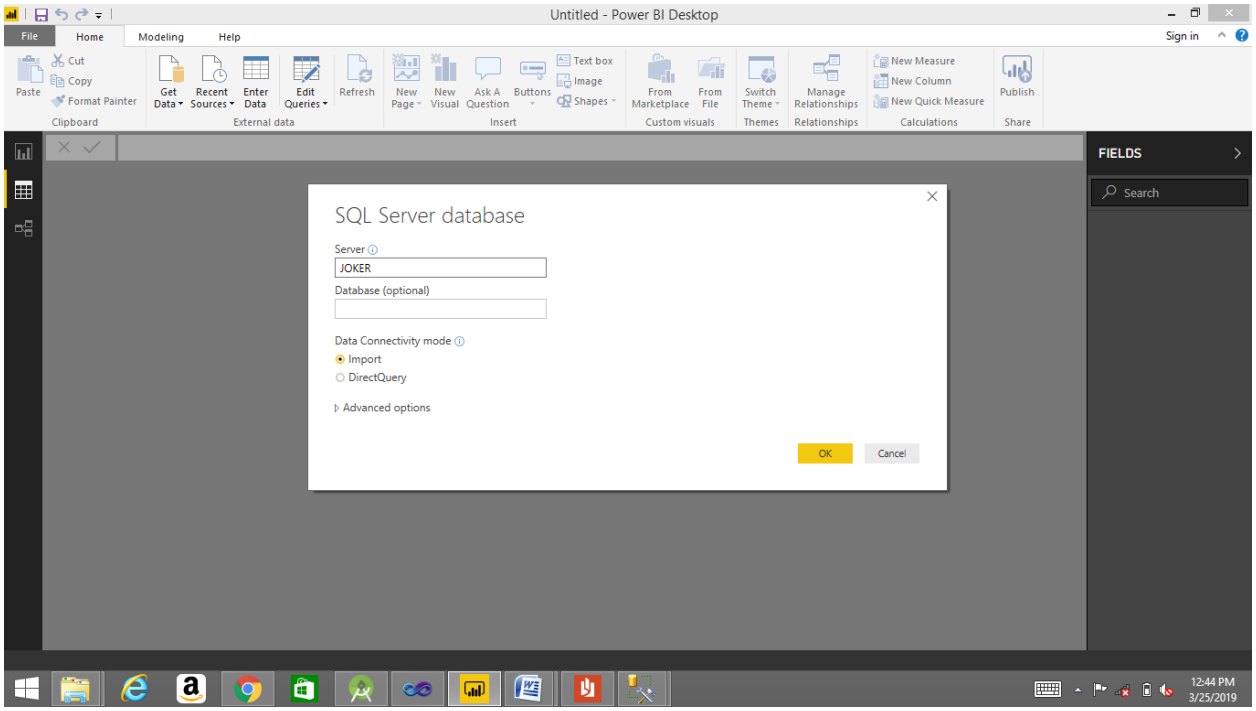


Practical No.1(a) Importing Data From SQL SERVER to Power BI

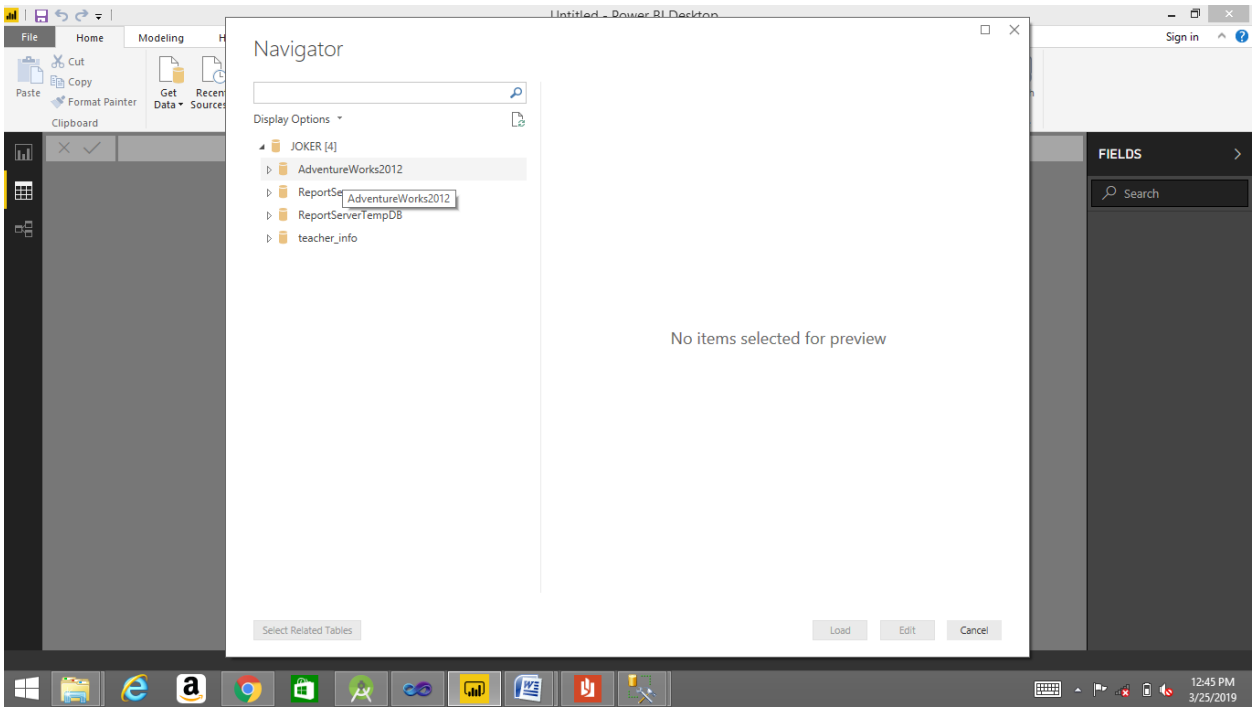
Open the Microsoft Power BI, Go to GetData and Select SQL Server

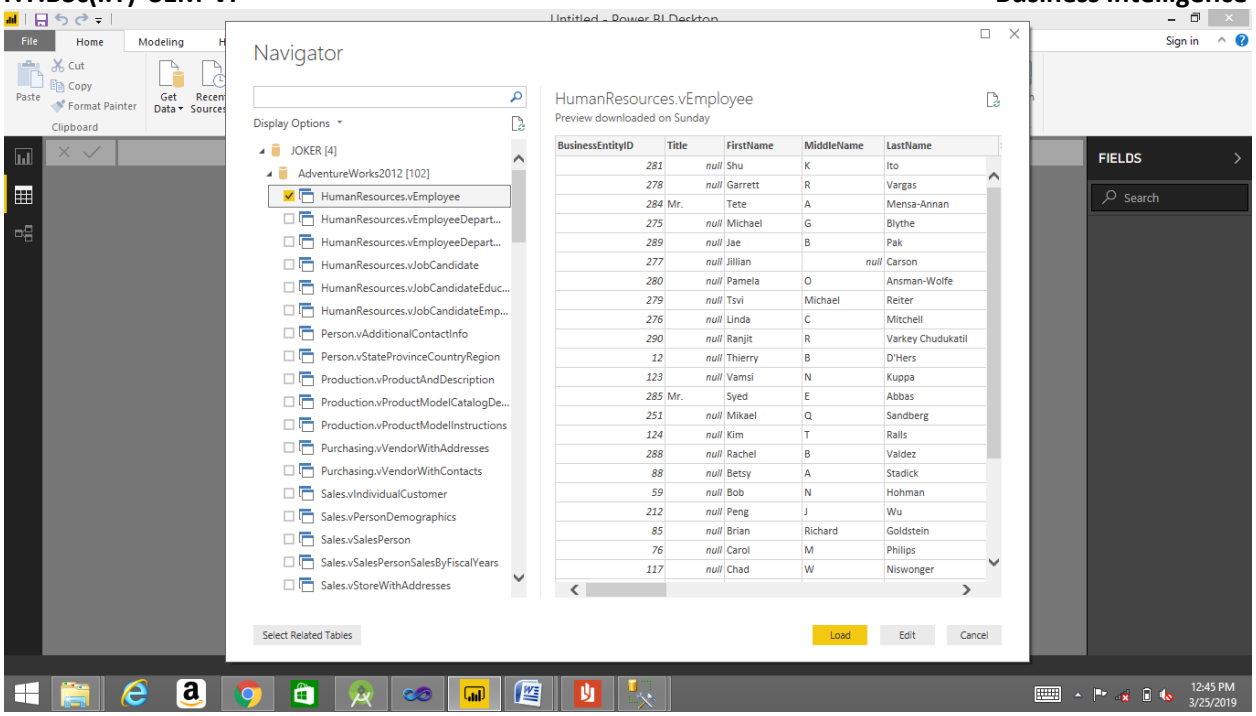


Enter SQL Server name which is JOKER in this case.

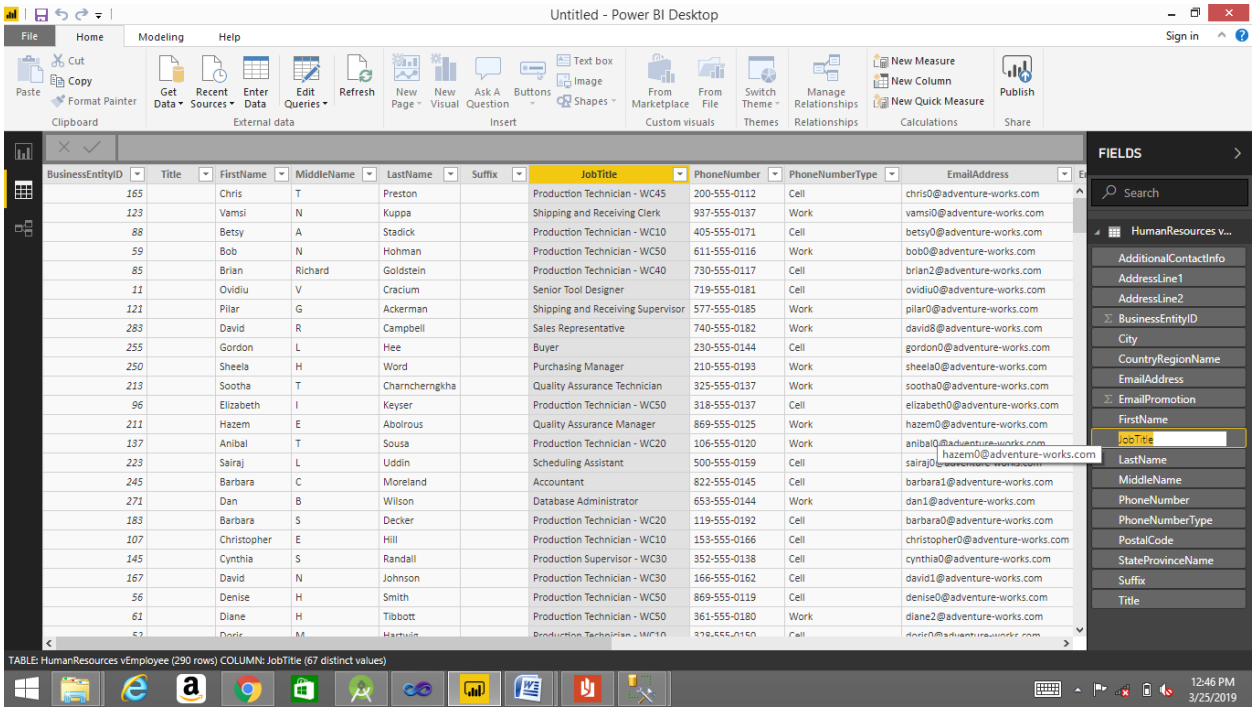


Select the Database and select the table to import.



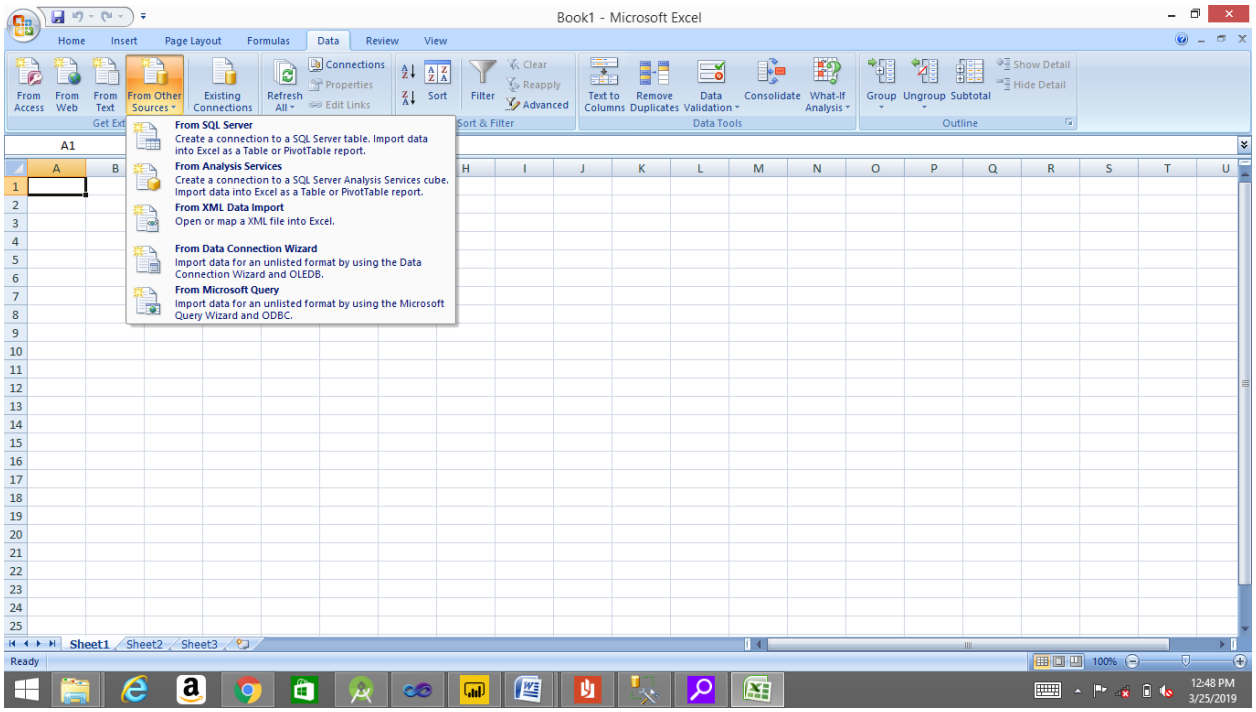


Click on Load Button.

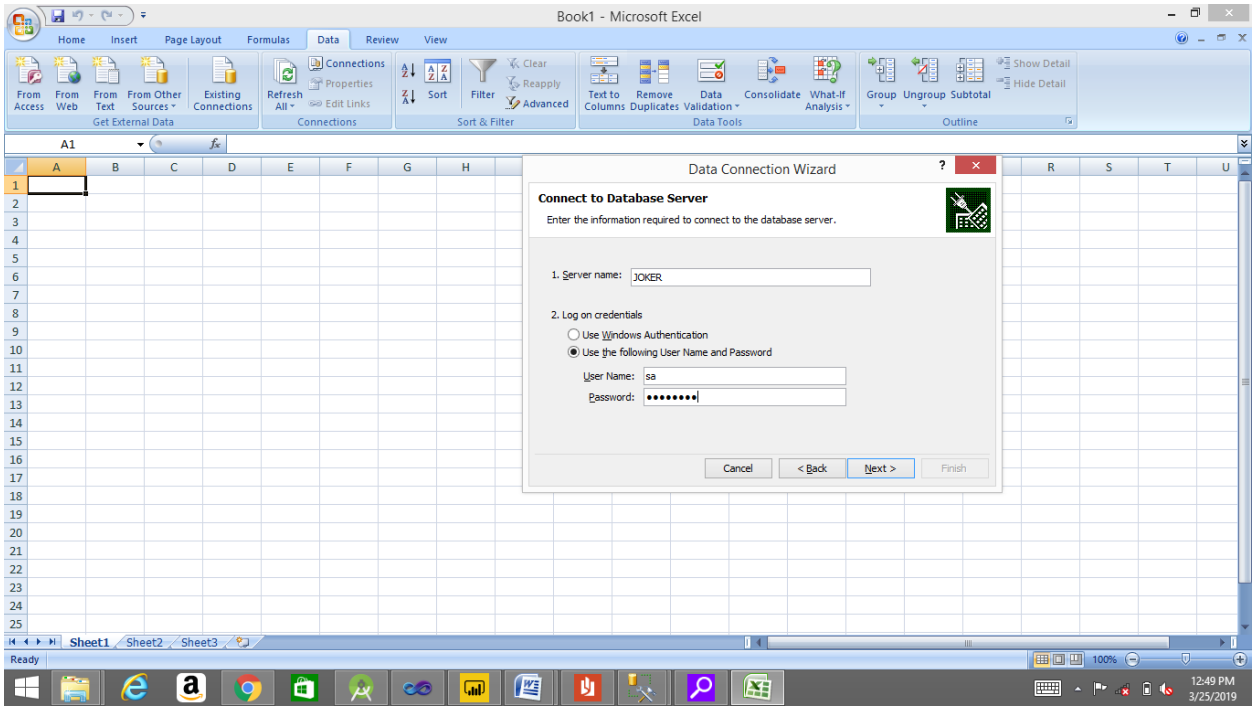


Practical No. 1(b) Import the SQL Server Database tables in Microsoft Excel

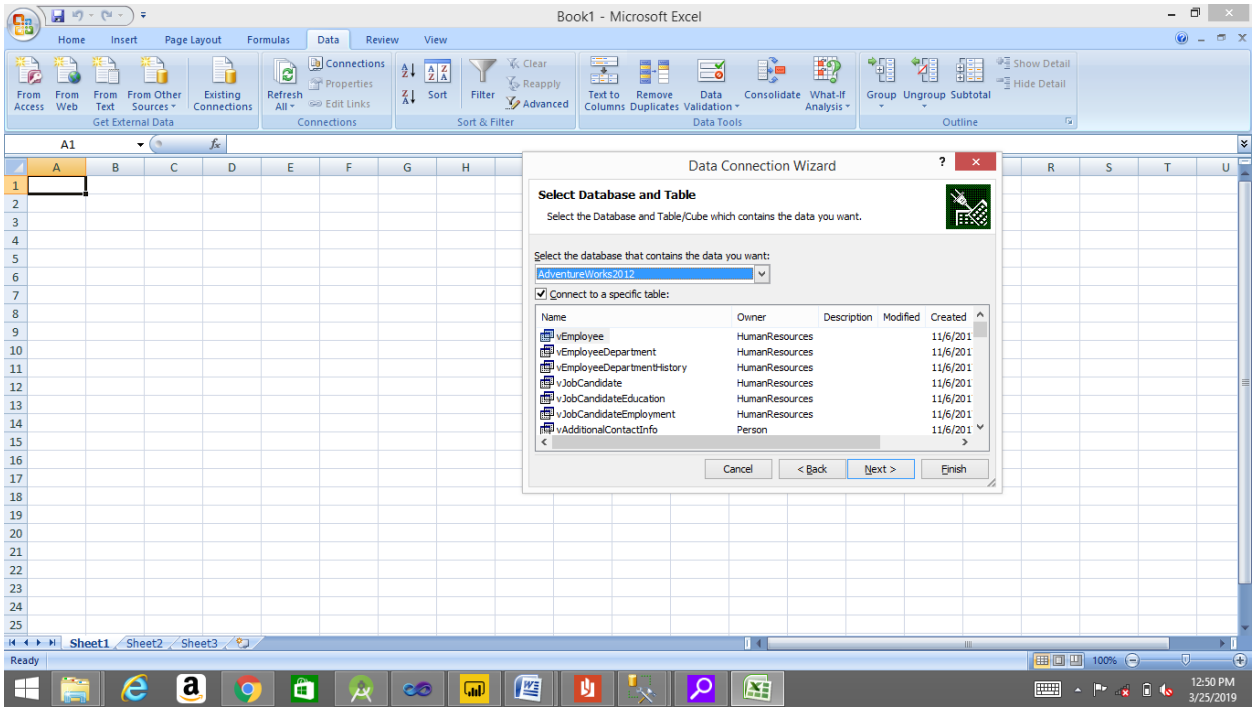
Open Microsoft Excel. Select From Other Sources -> From SQL Server



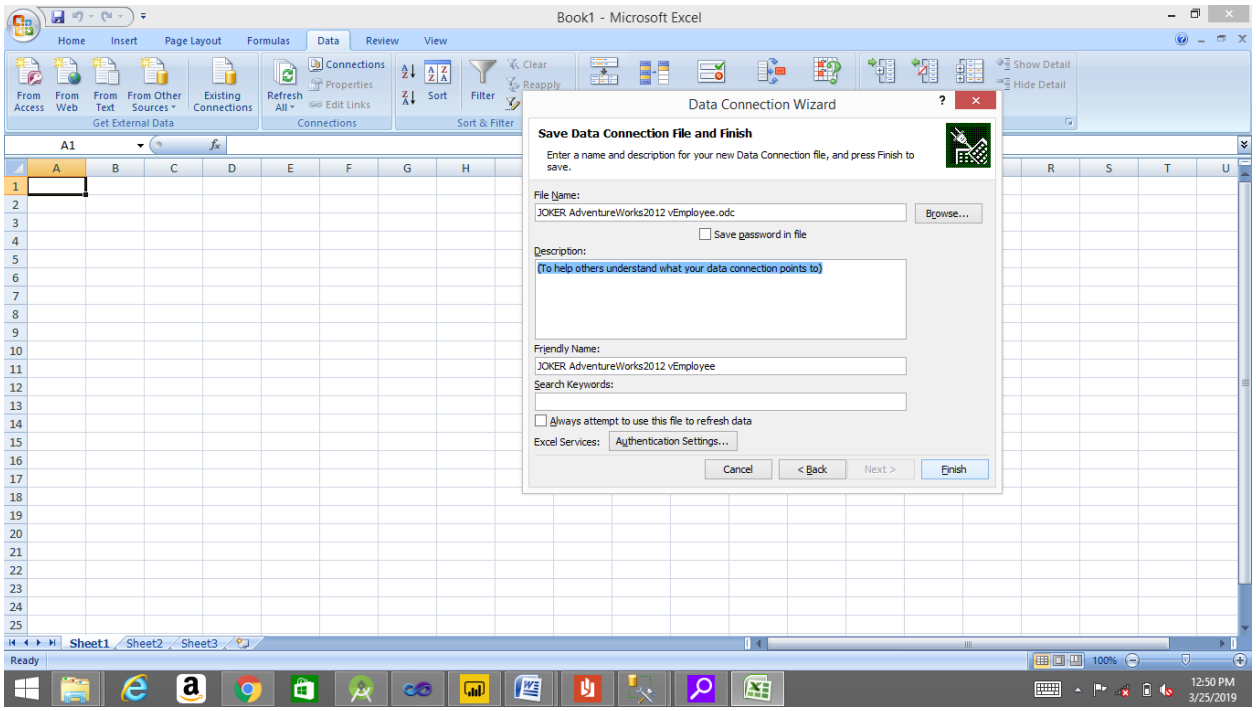
Enter Server name and user name and Password of SQL server

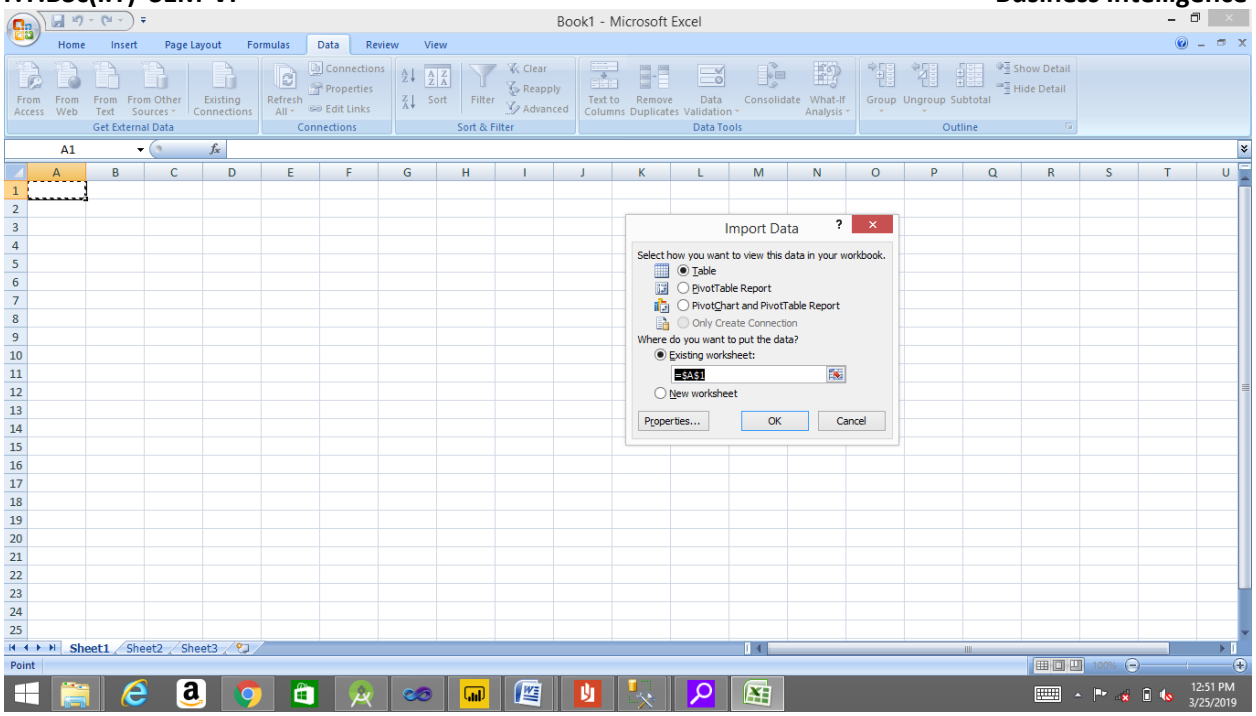


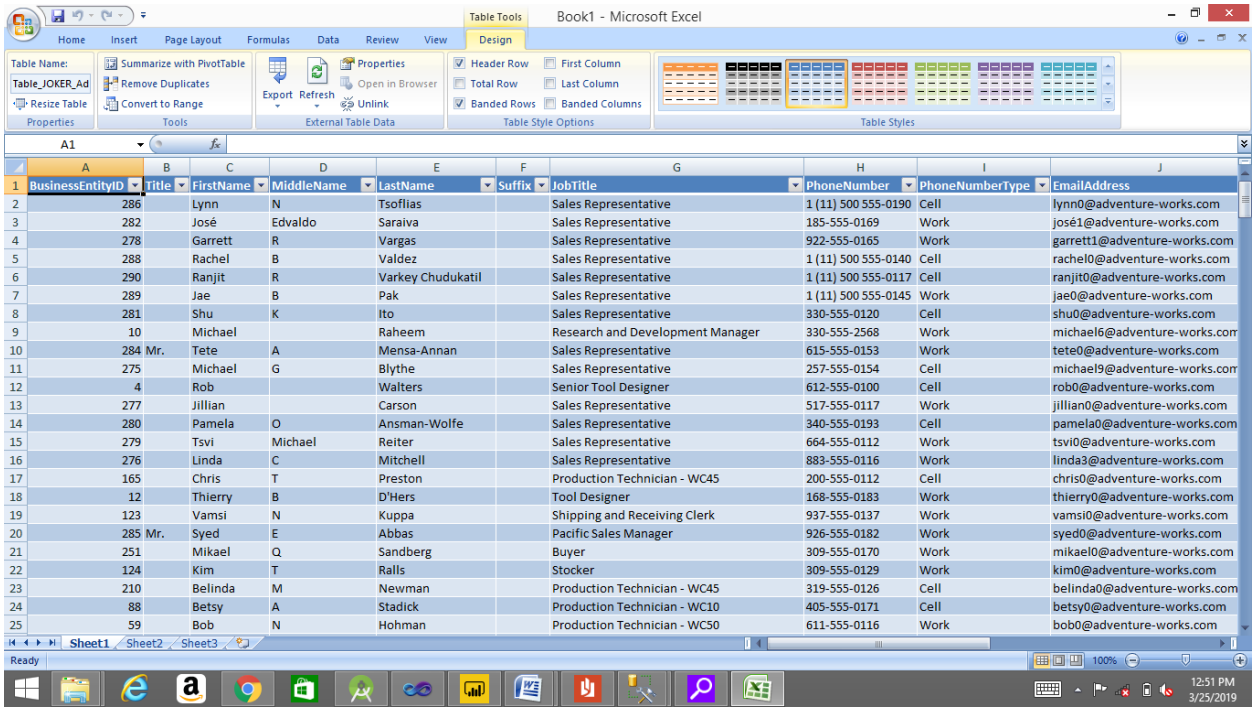
Select The Database name from dropdown list and then select the table to import.



Click Finish



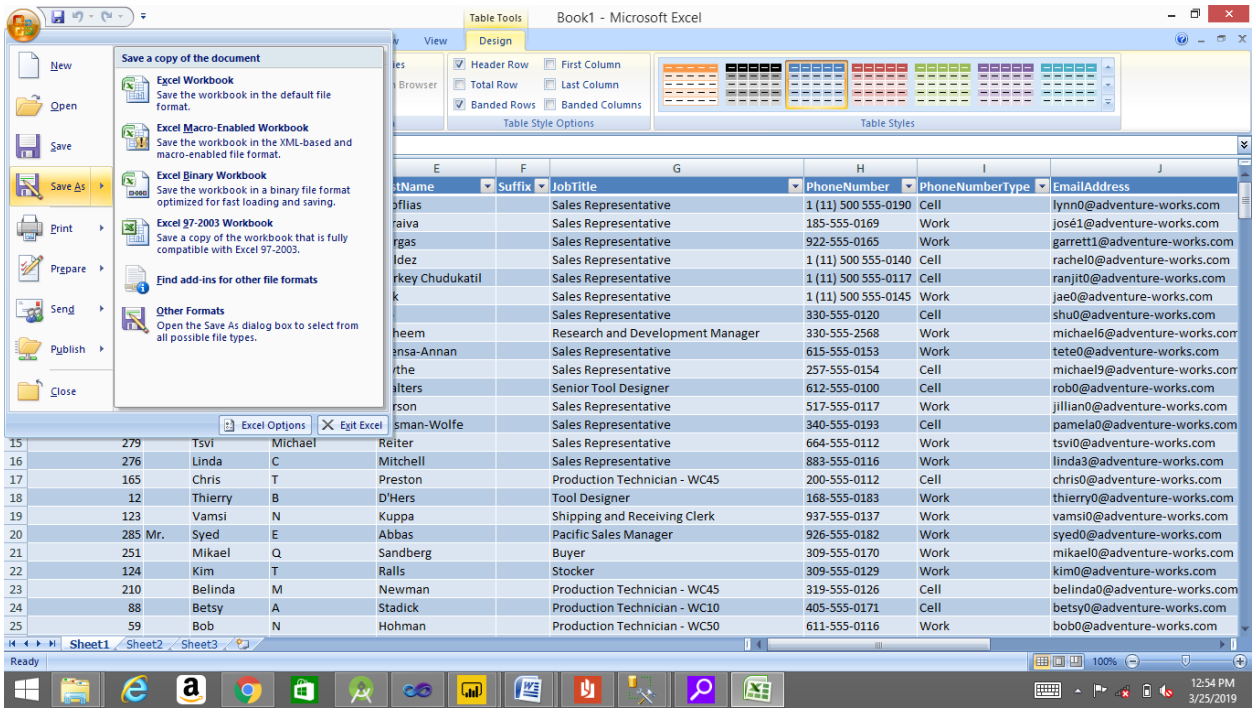


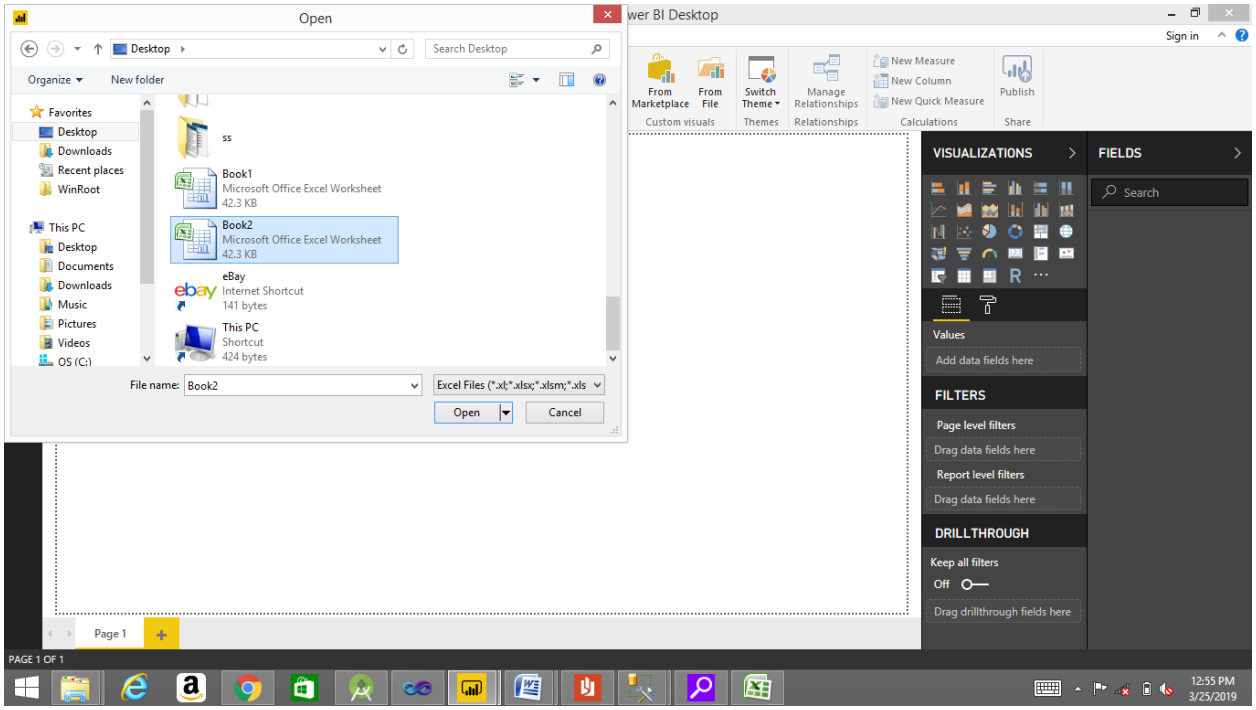


BusinessEntityID	Title	FirstName	MiddleName	LastName	Suffix	JobTitle	PhoneNumber	PhoneNumberType	EmailAddress
286		Lynn	N	Tsoflias		Sales Representative	1 (11) 500 555-0190	Cell	lynn0@adventure-works.com
282		José	Edvaldo	Saraiva		Sales Representative	185-555-0169	Work	josé1@adventure-works.com
278		Garrett	R	Vargas		Sales Representative	922-555-0165	Work	garrett1@adventure-works.com
288		Rachel	B	Valdez		Sales Representative	1 (11) 500 555-0140	Cell	rachel0@adventure-works.com
290		Ranjit	R	Varkey Chudukatil		Sales Representative	1 (11) 500 555-0117	Cell	ranjit0@adventure-works.com
289		Jae	B	Pak		Sales Representative	1 (11) 500 555-0145	Work	jae0@adventure-works.com
281		Shu	K	Ito		Sales Representative	330-555-0120	Cell	shu0@adventure-works.com
10		Michael		Raheem		Research and Development Manager	330-555-2568	Work	michael6@adventure-works.com
284	Mr.	Tete	A	Mensa-Annan		Sales Representative	615-555-0153	Work	tete0@adventure-works.com
275		Michael	G	Blythe		Sales Representative	257-555-0154	Cell	michael9@adventure-works.com
4		Rob		Walters		Senior Tool Designer	612-555-0100	Cell	rob0@adventure-works.com
277		Jillian		Carson		Sales Representative	517-555-0117	Work	jillian0@adventure-works.com
280		Pamela	O	Ansman-Wolfe		Sales Representative	340-555-0193	Cell	pamela0@adventure-works.com
279		Tsvi	Michael	Reiter		Sales Representative	664-555-0112	Work	tsvi0@adventure-works.com
276		Linda	C	Mitchell		Sales Representative	883-555-0116	Work	linda3@adventure-works.com
165		Chris	T	Preston		Production Technician - WC45	200-555-0112	Cell	chris0@adventure-works.com
12		Thierry	B	D'Hers		Tool Designer	168-555-0183	Work	thierry0@adventure-works.com
123		Vamsi	N	Kuppa		Shipping and Receiving Clerk	937-555-0137	Work	vamsi0@adventure-works.com
285	Mr.	Syed	E	Abbas		Pacific Sales Manager	926-555-0182	Work	syed0@adventure-works.com
251		Mikael	Q	Sandberg		Buyer	309-555-0170	Work	mikael0@adventure-works.com
124		Kim	T	Ralls		Stocker	309-555-0129	Work	kim0@adventure-works.com
210		Belinda	M	Newman		Production Technician - WC45	319-555-0126	Cell	belinda0@adventure-works.com
88		Betsy	A	Stadick		Production Technician - WC10	405-555-0171	Cell	betsy0@adventure-works.com
59		Bob	N	Hohman		Production Technician - WC50	611-555-0116	Work	bob0@adventure-works.com

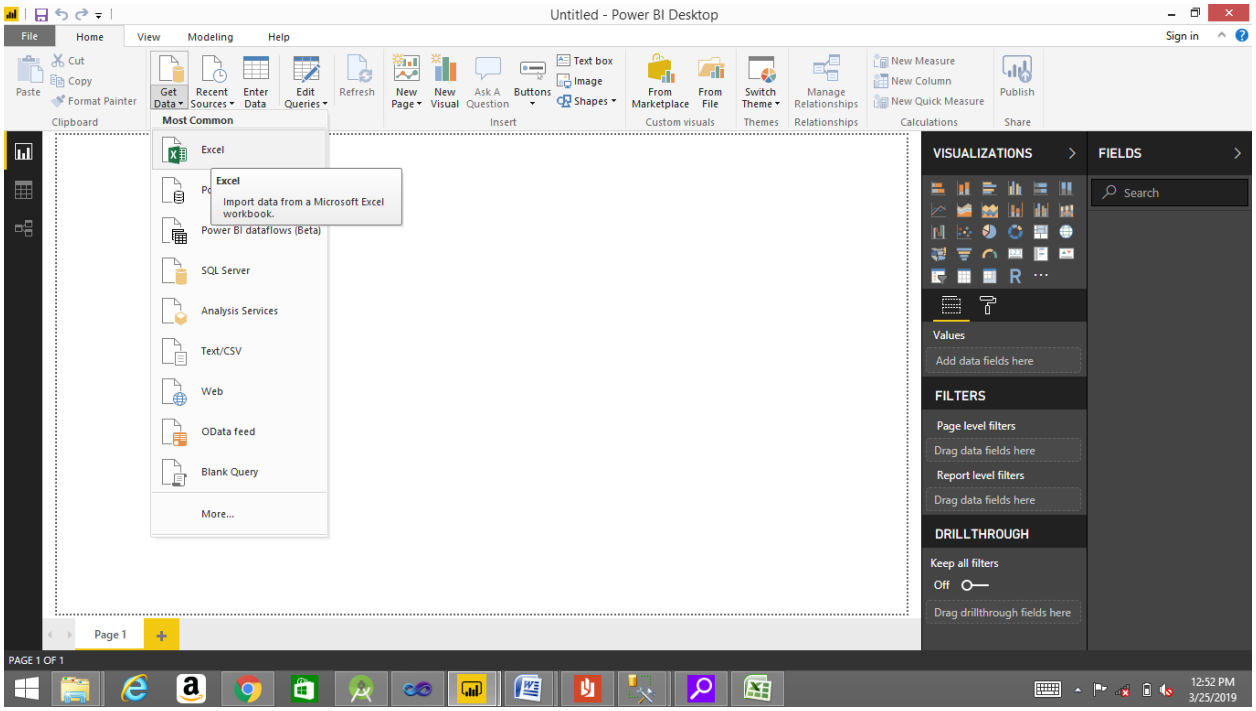
Practical No.1(c) Import the Microsoft Excel data in Power BI.

For this part we first create Excel file and save it as Book2.xls

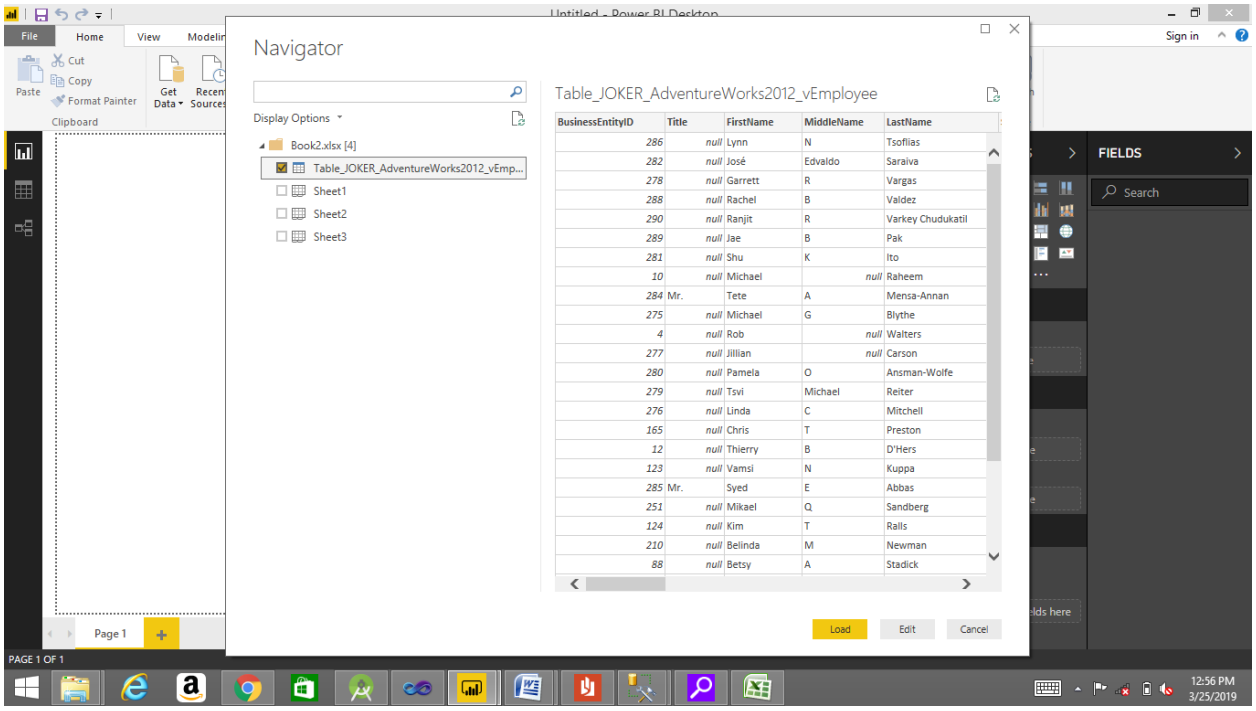


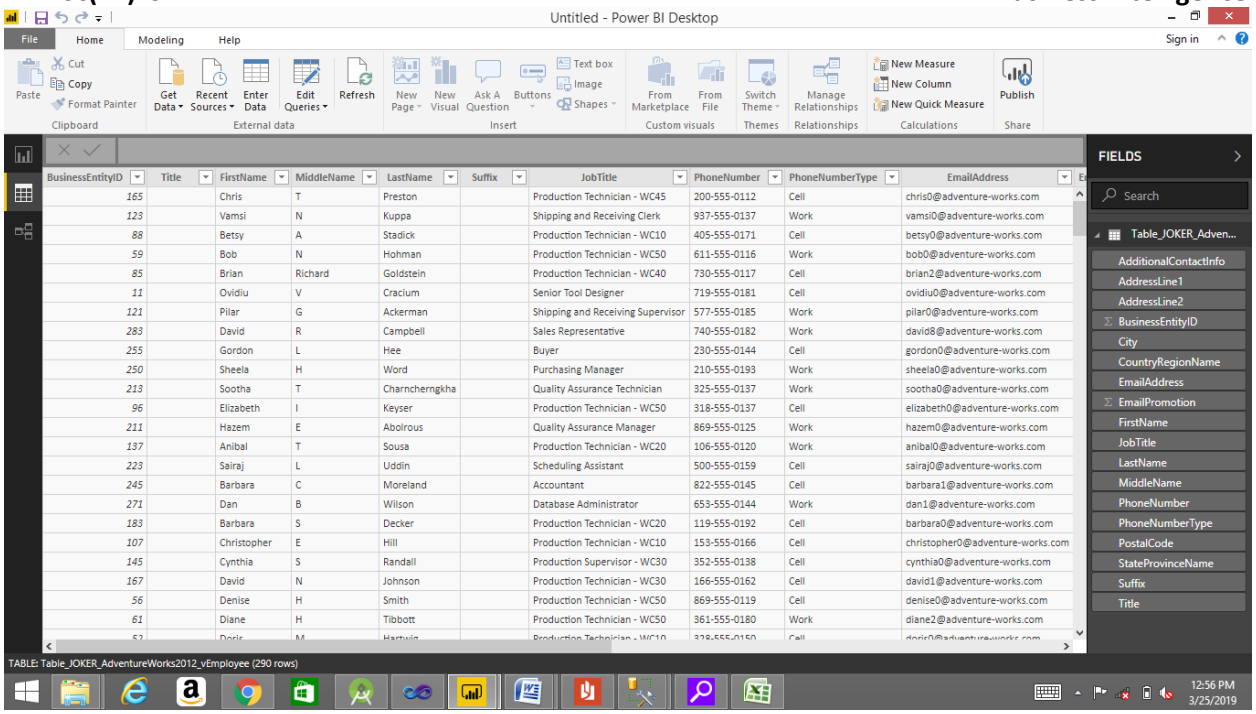


Open Power BI - > Go to GetData -> Excel



Select The Excel Sheet





BusinessEntityID	Title	FirstName	MiddleName	LastName	Suffix	JobTitle	PhoneNumber	PhoneNumberType	EmailAddress
165		Chris	T	Preston		Production Technician - WC45	200-555-0112	Cell	chris0@adventure-works.com
123		Vamsi	N	Kuppa		Shipping and Receiving Clerk	937-555-0137	Work	vamsi0@adventure-works.com
88		Betsy	A	Stadick		Production Technician - WC10	405-555-0171	Cell	betsy0@adventure-works.com
59		Bob	N	Hohman		Production Technician - WC50	611-555-0116	Work	bob0@adventure-works.com
85		Brian	Richard	Goldstein		Production Technician - WC40	730-555-0117	Cell	brian2@adventure-works.com
11		Ovidiu	V	Cracium		Senior Tool Designer	719-555-0181	Cell	ovidiu0@adventure-works.com
121		Pilar	G	Ackerman		Shipping and Receiving Supervisor	577-555-0185	Work	pilar0@adventure-works.com
283		David	R	Campbell		Sales Representative	740-555-0182	Work	david8@adventure-works.com
255		Gordon	L	Hee		Buyer	230-555-0144	Cell	gordon0@adventure-works.com
250		Sheela	H	Word		Purchasing Manager	210-555-0193	Work	sheela0@adventure-works.com
213		Sootha	T	Charncherngkha		Quality Assurance Technician	325-555-0137	Work	sootha0@adventure-works.com
96		Elizabeth	I	Keyser		Production Technician - WC50	318-555-0137	Cell	elizabeth0@adventure-works.com
211		Hazem	E	Abolrous		Quality Assurance Manager	869-555-0125	Work	hazem0@adventure-works.com
137		Anibal	T	Sousa		Production Technician - WC20	106-555-0120	Work	anibal0@adventure-works.com
223		Sairaj	L	Uddin		Scheduling Assistant	500-555-0159	Cell	sairaj0@adventure-works.com
245		Barbara	C	Moreland		Accountant	822-555-0145	Cell	barbara1@adventure-works.com
271		Dan	B	Wilson		Database Administrator	653-555-0144	Work	dan1@adventure-works.com
183		Barbara	S	Decker		Production Technician - WC20	119-555-0192	Cell	barbara0@adventure-works.com
107		Christopher	E	Hill		Production Technician - WC10	153-555-0166	Cell	christopher0@adventure-works.com
145		Cynthia	S	Randall		Production Supervisor - WC30	352-555-0138	Cell	cynthia0@adventure-works.com
167		David	N	Johnson		Production Technician - WC30	166-555-0162	Cell	david1@adventure-works.com
56		Denise	H	Smith		Production Technician - WC50	869-555-0119	Cell	denise0@adventure-works.com
61		Diane	H	Tibbott		Production Technician - WC50	361-555-0180	Work	diane2@adventure-works.com