

## Formative Assessment 1- AVP632

<b>Date:</b>	2022/08/10
<b>Student Name:</b>	Ruan van straaten
<b>ID Number:</b>	9912205055087

**Total [65]**

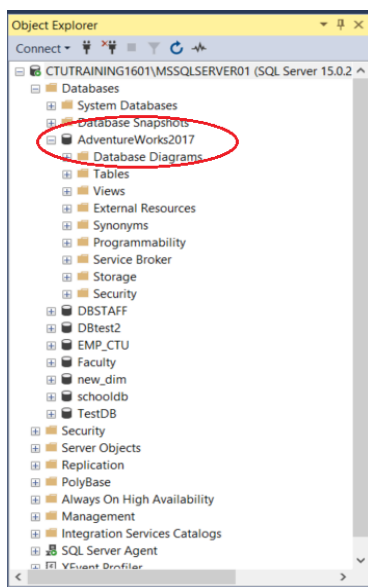
In this formative you are going to connect to a data source using Power BI Desktop. You will need the following to complete this formative.

1. SQL Server Management Studio (SSMS)
2. Power BI Desktop (<https://powerbi.microsoft.com/en-us/downloads/>)
3. AdventureWorks database to be downloaded on COLCampus

**Step 1 Install SQL Server Management Studio (SSMS)**

After installing the SSMS on your computer you will have to restore the **AdventureWorks** database into SQL follow the steps below (**Provide screenshots of all steps**):

1. Right-click **Databases** and select **Restore Database...**
2. On the General page, use the Source section to specify the source and location of the backup sets to **restore**.
3. Select Device.
4. Click the browse (...) ...
5. Click Add.
6. Navigate to the C:\ drive and select the . ...
7. Click OK in each dialog box until the restore process is completed.

**Expected output**

**[35]**

# AVB632 FORMATIVE 1

Ruan van Straaten

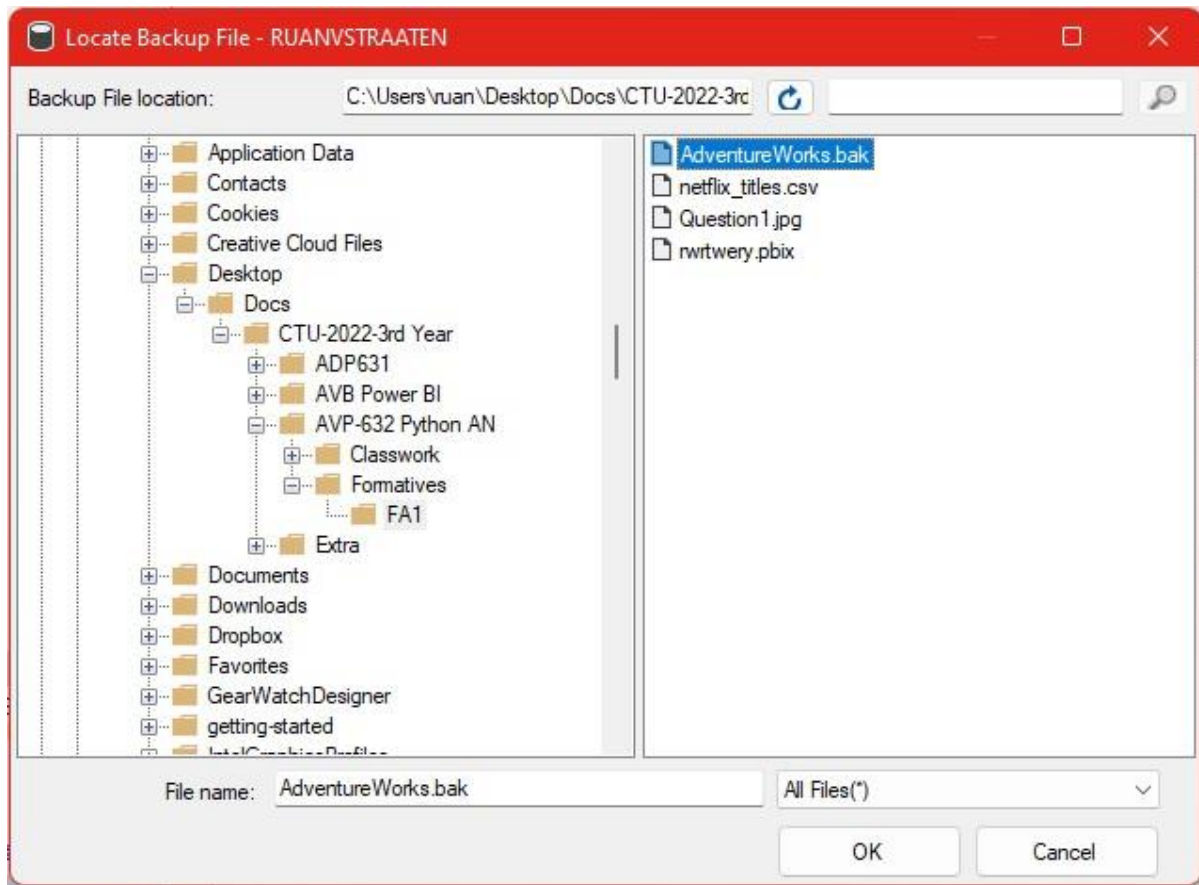
ICAS 7299

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## Question 1

Step1



## Step 2

Script ▾ | ? Help

Source

☐ Database:

☒ Device:  ...

Database:

Destination

Database:

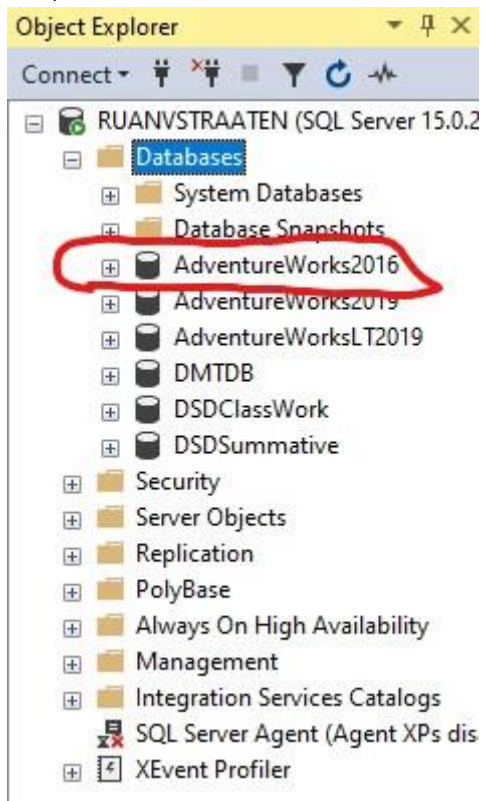
Restore to:

Restore plan

Backup sets to restore:

Restore	Name	Component	Type	Server	Database
<input checked="" type="checkbox"/>	AdventureWorks2016-Full Database Backup	Database	Full	BARBKESS24\MSSQL2016RTM	AdventureWorks2016

### Step3



## Question 2

Enter SQL Server name



The image shows a 'SQL Server database' dialog box. It has a title bar with a close button. Inside, there's a 'Server' label with a help icon, followed by a text box containing 'RUANVSTRAATEN'. Below that is a 'Database (optional)' label and an empty text box. Then, there's a 'Data Connectivity mode' label with a help icon, followed by two radio buttons: 'Import' (which is selected) and 'DirectQuery'. At the bottom left, there's a link 'Advanced options'. At the bottom right, there are 'OK' and 'Cancel' buttons.

SQL Server database

Server ⓘ

RUANVSTRAATEN

Database (optional)

Data Connectivity mode ⓘ

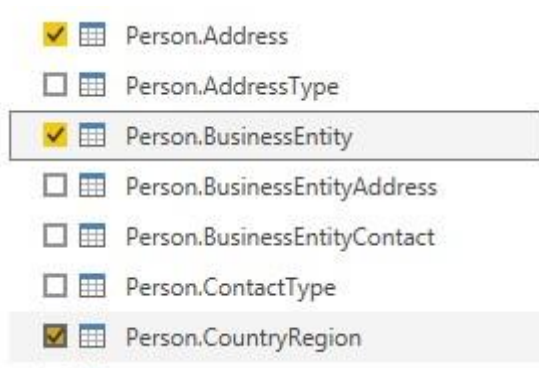
☒ Import

☐ DirectQuery

Advanced options

OK Cancel

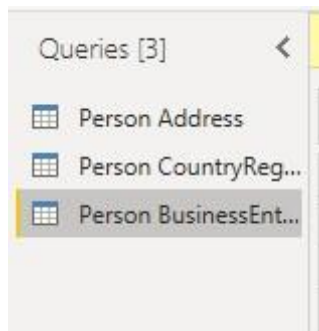
Select the tables



The image shows a list of tables with checkboxes. The tables are: Person.Address, Person.AddressType, Person.BusinessEntity, Person.BusinessEntityAddress, Person.BusinessEntityContact, Person.ContactType, and Person.CountryRegion. The checkboxes for Person.Address, Person.BusinessEntity, and Person.CountryRegion are checked. The row for Person.BusinessEntity is highlighted.

<input checked="" type="checkbox"/>	Person.Address
<input type="checkbox"/>	Person.AddressType
<input checked="" type="checkbox"/>	Person.BusinessEntity
<input type="checkbox"/>	Person.BusinessEntityAddress
<input type="checkbox"/>	Person.BusinessEntityContact
<input type="checkbox"/>	Person.ContactType
<input checked="" type="checkbox"/>	Person.CountryRegion

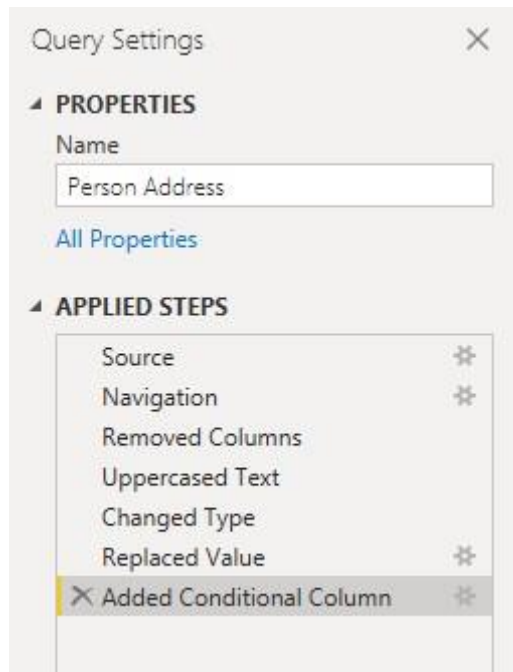
Tables loaded in power BI



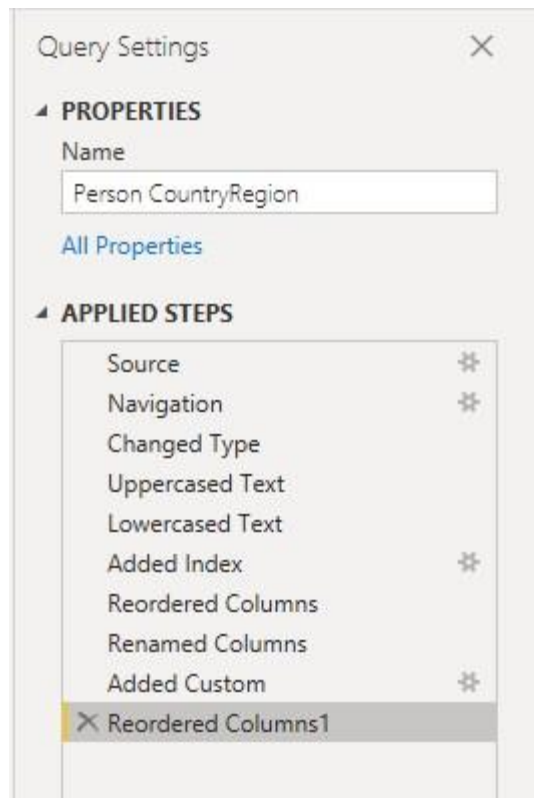


### Question 3

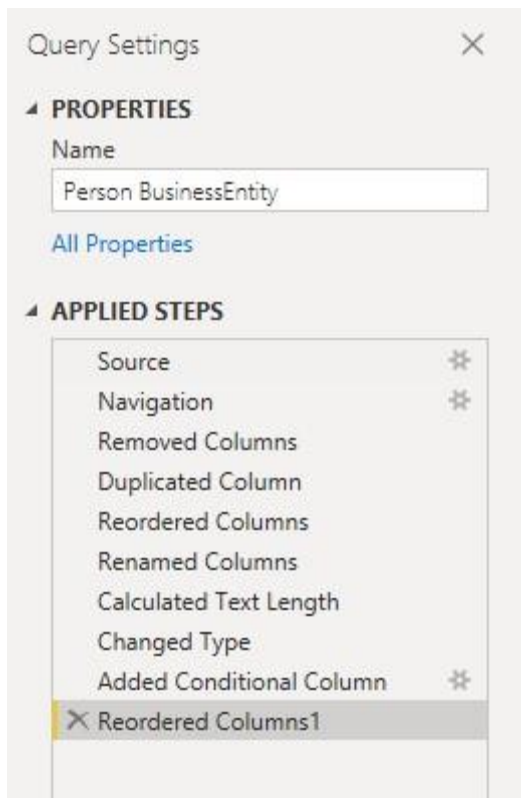
Data Transformation on Person Address Table



Data Transformation on Person CountryRegion Table



## Data Transformation on Person BusinessEntity



**Completed Declaration of Authenticity**

I Ruan van straaten hereby  
(FULL NAME)

declare that the contents of this assignment AVB632\_Formative1 is entirely my own

work except for the following documents: (List the documents and page numbers of work in this portfolio that were generated in a group)

Activity	Date

Signature:  Date: 2022/08/10