REPOSITORY GIT HUB  
https://github.com/Nirivola/EC\_IT143\_W6.2\_nr.git

Deliverable #1

https://www.youtube.com/watch?v=u1BlF-VaxgY

https://medium.com/learning-sql/eadventureworks-database-427e59144bc0

https://dataedo.com/samples/html/AdventureWorks/doc/AdventureWorks\_2/tables/Person\_Person\_144.html

Deliverable #2

Q1: Marginal complexity: -How many different product subcategories are there in the AdventureWorks database?

A1: SELECT count(distinct Name) FROM [Production].[ProductSubcategory] GO

Q2: Marginal complexity: -Which employee has the highest salary in the AdventureWorks HumanResources.Employee table?

A2: SELECT TOP 1 [HumanResources].[EmployeePayHistory].Rate,

[HumanResources].[EmployeePayHistory].[BusinessEntityID],

[HumanResources].[Employee].JobTitle

FROM [HumanResources].[EmployeePayHistory]

INNER JOIN [HumanResources].[Employee] on

[HumanResources].[EmployeePayHistory] .[BusinessEntityID]= [HumanResources].[Employee].[BusinessEntityID]

GO

Q3: Lucky Kumalor: Business User question - Moderate Complexity: Provide the details of all employees that are married and indicate how many are male?

A3: SELECT [BusinessEntityID],

COUnt (Employee.Gender) OVER (Partition by HumanResources.Employee.Gender) AS NUMBEROFMALE

,[JobTitle]

,[BirthDate]

,[MaritalStatus]

,[Gender]

FROM [HumanResources].[Employee]

where MaritalStatus='M' and Gender='M'

Q4:Business User question – Moderate Complexity: From the AdventureWorks database, Person table return all records where the middle name in not NULL?

A4: SELECT [BusinessEntityID]

,[PersonType]

,[NameStyle]

,[Title]

,[FirstName]

,[MiddleName]

,[LastName]

,[Suffix]

,[EmailPromotion]

,[AdditionalContactInfo]

,[Demographics]

,[rowguid]

,[ModifiedDate]

FROM [Person].[Person]

where MiddleName is not NULL

Q5:Business User question - Increased complexity:1-My wife likes all about bike, every week end or holiday we have a times aspecialy for running a bike or climbing.

This valentin's day I would like to give her a gift like accessories or something about bikes.

could you have Women's Mountain Shorts with a price the most expensive and still have a manufacturing(still in production).

A5: SELECT [ProductID]

,[Name]

,[ProductNumber]

,MAX ([ListPrice]) OVER (Partition by Product.ListPrice) AS NUMBEROFMALE

,[DaysToManufacture]

,[ProductLine]

,[SellEndDate]

,[DiscontinuedDate]

FROM [Production].[Product]

Where Product.Name like '%Women''s Mountain%' and DiscontinuedDate is null

Q6 - We are also interested in rewarding

our current sales people. Who are the top three sales people with the highest sales last year?

A6: SELECT

Top 3 SalesLastYear

,[FirstName]

,[MiddleName]

,[LastName]

FROM [Sales].[SalesPerson]

inner join [Person].[Person] on [Person].[Person].BusinessEntityID = [Sales].[SalesPerson].BusinessEntityID

Order by SalesPerson.SalesLastYear Desc

Q7: Can I have please the list of tables in AdventureWorks that contain a column with one of these names: Person or PersePhone?

A7:

SELECT \*

FROM INFORMATION\_SCHEMA.COLUMNS

where INFORMATION\_SCHEMA.COLUMNS.TABLE\_SCHEMA= 'Person'

or INFORMATION\_SCHEMA.COLUMNS.TABLE\_SCHEMA= 'PersePhone'

Q8: Metadata question: Can you create a list of tables in AdventureWorks, that contain the ProductID and the ProductName?

A8: SELECT \*

FROM INFORMATION\_SCHEMA.COLUMNS

where INFORMATION\_SCHEMA.COLUMNS.COLUMN\_NAME= 'ProductID'

and INFORMATION\_SCHEMA.COLUMNS.COLUMN\_NAME= 'ProductName'