Creating DB

```
USE [CorporateDB]
     /****** Object: Table [dbo].[HR] Script Date: 9/13/2021 12:57:07 AM ******/ SET ANSI_NULLS ON
      SET QUOTED_IDENTIFIER ON
     □CREATE TABLE [dbo].[HR](
          [Empid] [int] NOT NULL,
[Lastname] [varchar](50) NULL,
[Firstname] [varchar](50) NULL,
           [Title] [varchar](50) NULL,
           [Hiredate] [date] NULL,
       CONSTRAINT [PK_HR] PRIMARY KEY CLUSTERED
     [Empid] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON >
[PRIMARY]
     ) ON [PRIMARY]
111% -

    Messages

   Commands completed successfully.
 111 % +

    Query executed successfully.

                                                                                         MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... | CorporateDB | 00:00:00 | 0 rows
```

Employee id sequence

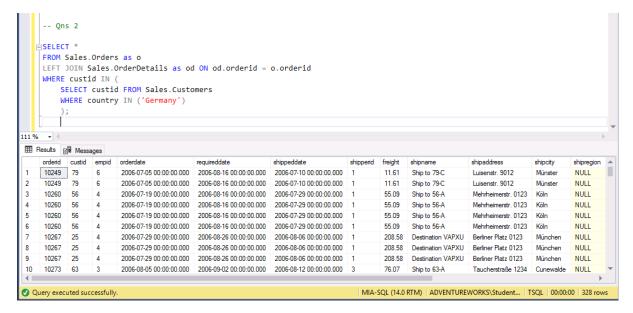
```
--- Sequence object on Empid
CREATE SEQUENCE dbo.empsequence
AS INT
START WITH 1001
INCREMENT BY 1;
GO
111%
Wessages
Commands completed successfully.
```

Use only 3 tables [Sales.Orders] && [Sales.OrderDetails] && [Sales.Customers]

Sub-query to details in Sales.OrderDetails for most recent order

```
SELECT *
     FROM Sales.OrderDetails
     WHERE orderid = (SELECT MAX(orderid) FROM Sales.OrderDetails)
    i⇔SELECT * EROM
          (SELECT A.orderid, A.orderdate FROM Sales.Orders AS A
          LEFT JOIN Sales.OrderDetails AS B
          ON A.orderid = B.orderid) Main_Table
          INNER JOIN
           (SELECT orderid, MAX(orderdate) AS Max_date FROM Sales.Orders
          GROUP BY orderid) Date_Table
          ON Main_Table.orderdate = Date_Table.Max_date
111 %
Results Messages
                                  orderid Max_date
     10248 2006-07-04 00:00:00.000 10248 2006-07-04 00:00:00.000
             2006-07-04 00:00:00.000 10248 2006-07-04 00:00:00.000
      10248
             2006-07-04 00:00:00.000
                                   10248
                                          2006-07-04 00:00:00.000
      10249
             2006-07-05 00:00:00.000 10249 2006-07-05 00:00:00.000
      10249
            2006-07-05 00:00:00 000 10249 2006-07-05 00:00:00 000
             2006-07-08 00:00:00.000 10250 2006-07-08 00:00:00.000
      10250
            2006-07-08 00:00:00.000 10250 2006-07-08 00:00:00.000
      10250
      10250
             2006-07-08 00:00:00.000 10250 2006-07-08 00:00:00.000
             2006-07-08 00:00:00.000 10250 2006-07-08 00:00:00.000
 10
      10251
             2006-07-08 00:00:00.000 10250
                                          2006-07-08 00:00:00.000
 11
      10251
             2006-07-08 00:00:00.000 10250 2006-07-08 00:00:00.000
 12
      10250
             2006-07-08 00:00:00 000 10251 2006-07-08 00:00:00 000
 13
      10250
             2006-07-08 00:00:00.000 10251 2006-07-08 00:00:00.000
             2006-07-08 00:00:00.000 10251 2006-07-08 00:00:00.000
 14
      10250
 15
      10251
             2006-07-08 00:00:00.000 10251
                                          2006-07-08 00:00:00.000
             2006-07-08 00:00:00.000 10251
 17
      10251
             2006-07-08 00:00:00.000
                                   10251
                                          2006-07-08 00:00:00.000
                                                                                              MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... | TSQL | 00:00:00 | 4573 rows
```

Multi-valued subquery about order info for customers in Germany



Create view with encryption of a Groupby Sale. Order Details with specified columns

Reference to created view and order by unitprice



Create encrypted procedure that can be updated by end-user. Dynamic information entry.

Drop the procedure

