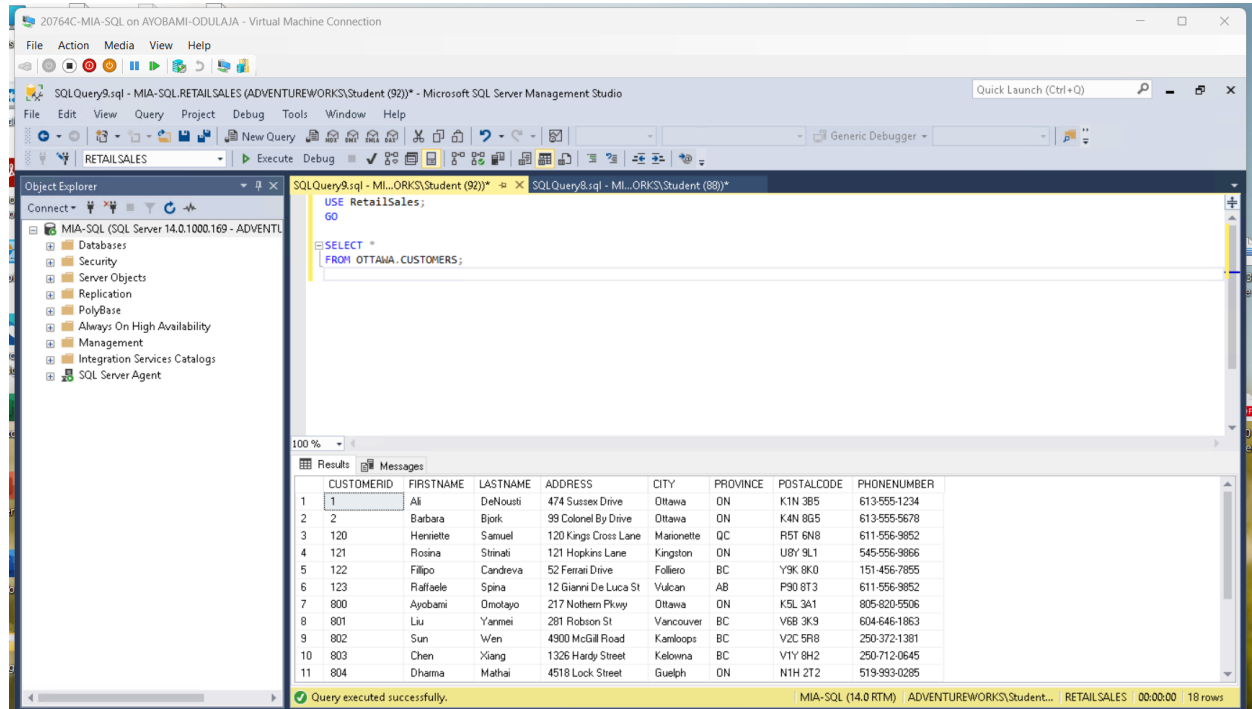


WAS DATABASE PROJECT:

- Run a query that display the contents of all tables (do four separate queries)



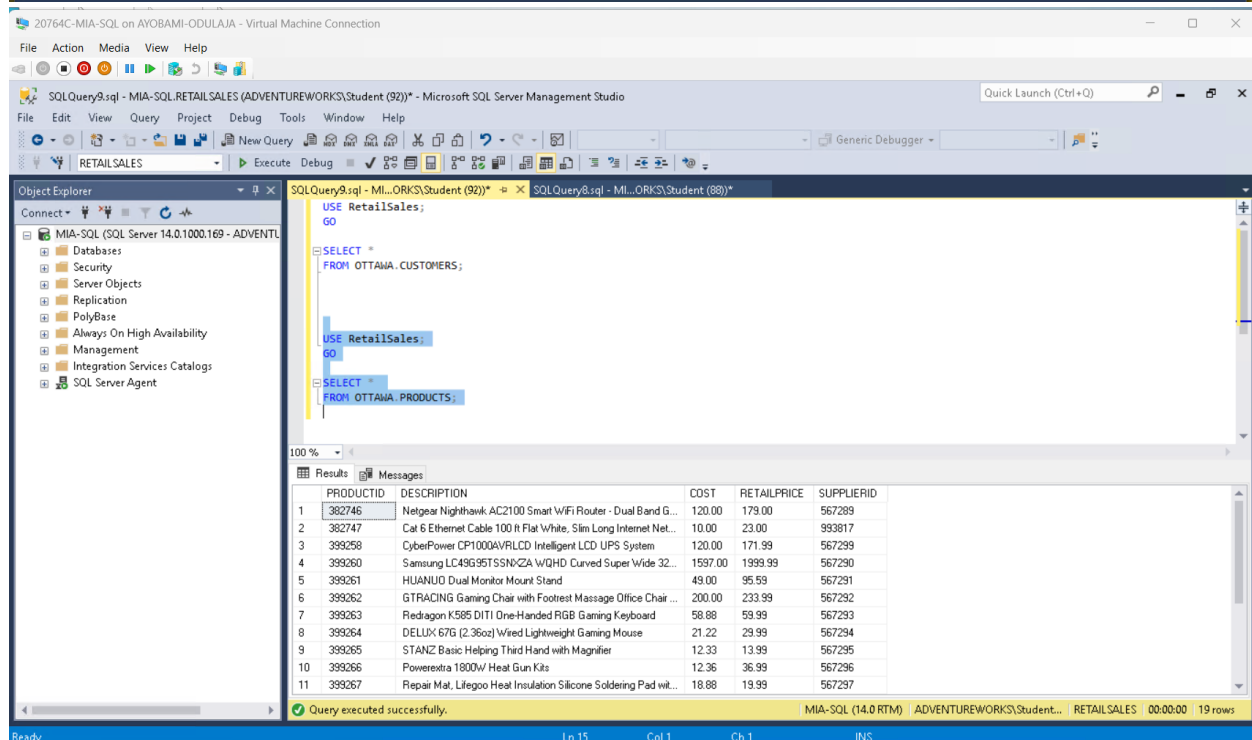
SQLQuery8.sql - MIA-SQL RETAILSALES (ADVENTUREWORKS)\Student (92)* - Microsoft SQL Server Management Studio

```
USE RetailSales;
GO

SELECT *
FROM OTTAWA.CUSTOMERS;
```

	CUSTOMERID	FIRSTNAME	LASTNAME	ADDRESS	CITY	PROVINCE	POSTALCODE	PHONENUMBER
1	1	Ali	DeNousti	474 Sussex Drive	Ottawa	ON	K1N 3B5	613-555-1234
2	2	Barbara	Bjork	99 Colonel By Drive	Ottawa	ON	K4N 8G5	613-555-5678
3	120	Herviette	Samuel	120 Kings Cross Lane	Maisonette	QC	R5T 6N5	611-556-9852
4	121	Rosina	Stinaki	121 Hopkins Lane	Kingston	ON	U8Y 9L1	545-556-9866
5	122	Filippo	Candeva	52 Ferrari Drive	Follero	BC	Y9K 9K0	151-456-7895
6	123	Raffaele	Spina	12 Gianni De Luca St	Vulcan	AB	P90 8T3	611-556-9852
7	800	Ayobami	Omotayo	217 Northern Pkwy	Ottawa	ON	K5L 3A1	805-820-5506
8	801	Liu	Yanmei	281 Robson St	Vancouver	BC	V6B 3K3	604-646-1863
9	802	Sun	Wen	4900 McGill Road	Kamloops	BC	V2C 5R8	250-372-1381
10	803	Chen	Xiang	1326 Hardy Street	Kelowna	BC	V1Y 8H2	250-712-0645
11	804	Dharma	Mathai	4518 Lock Street	Guelph	ON	N1H 2T2	519-993-0285

Query executed successfully. MIA-SQL (14.0 RTM) ADVENTUREWORKS\Student... RETAILSALES 00:00:00 18 rows



SQLQuery9.sql - MIA-SQL RETAILSALES (ADVENTUREWORKS)\Student (92)* - Microsoft SQL Server Management Studio

```
USE RetailSales;
GO

SELECT *
FROM OTTAWA.CUSTOMERS;

USE RetailSales;
GO

SELECT *
FROM OTTAWA.PRODUCTS;
```

	PRODUCTID	DESCRIPTION	COST	RETAILPRICE	SUPPLIERID
1	382746	Netgear Nighthawk AC2100 Smart WiFi Router - Dual Band G...	120.00	179.00	567289
2	382747	Cat 6 Ethernet Cable 100 ft Flat White, Slim Long Internet Net...	10.00	23.00	993817
3	399258	CyberPower CP1000AVRLCD Intelligent LCD UPS System	120.00	171.99	567299
4	399260	Samsung LC49G95TSSN-CZA WQHD Curved Super Wide 32...	1597.00	1999.99	567290
5	399261	HUANUO Dual Monitor Mount Stand	49.00	95.99	567291
6	399262	GTRACING Gaming Chair with Footrest Massage Office Chair ...	200.00	233.99	567292
7	399263	Redragon K585 DIT1 One-Handed RGB Gaming Keyboard	58.88	59.99	567293
8	399264	DELLUX 675 (2.36oz) Wired Lightweight Gaming Mouse	21.22	29.99	567294
9	399265	STANZ Basic Helping Third Hand with Magnifier	12.33	13.99	567295
10	399266	Powerextra 1800W Heat Gun Kits	12.36	36.99	567296
11	399267	Repair Mat, Lifegoo Heat Insulation Silicone Soldering Pad wit...	18.88	19.99	567297

Query executed successfully. MIA-SQL (14.0 RTM) ADVENTUREWORKS\Student... RETAILSALES 00:00:00 19 rows

20764C-MIA-SQL on AYOBAMI-ODULAJA - Virtual Machine Connection

File Action Media View Help

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

RETAILSALES

Object Explorer

Connect +

MIA-SQL (SQL Server 14.0.1000.169 - ADVENTUREWORKS\Student (92))*

Databases

Security

Server Objects

Replication

PolyBase

Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))*

```
USE RetailSales;
GO

SELECT *
FROM OTTAWA_SUPPLIERS;
```

Results

	SUPPLIERID	SUPPLIERNAME	ADDRESS	CITY	PROVINCE	POSTALCODE	PHONENUMBER
1	567289	Network Solutions	1273 Wellington st	Ottawa	ON	K9R 8w/9	613-555-2837
2	567290	Supply Adept	2582 Brand Road	Saskatoon	SK	S7K 1w/8	306-717-3319
3	567291	Supplyviva	1401 Brew Creek Rd	Whistler	BC	V0N 1B0	604-698-3922
4	567292	Empower	3858 50th Street	Vegreville	AB	T9C 1S1	780-210-8977
5	567293	Microio	1938 Promenade du Portage	Hull	QC	S4P 3Y2	819-771-5121
6	567294	Microaholic	3988 Glover Road	Coquitlam	BC	V3J 4S1	604-931-6017
7	567295	Datashalt	3659 53rd Street	Calgary	AB	T0M 1T1	403-845-6088
8	567296	Bolicky	2130 Paradise Crescent	Hauterive	QC	G5C 1M1	418-297-7159
9	567297	Overleap	4798 Scotchmere Dr	Unionville	ON	L3R 0L7	905-479-1129
10	567298	Technism	4179 Blind Bay Road	Salmon Arm	BC	V0E 2T0	250-803-9667
11	567299	TechOsmic	477 Duke Street	Montreal	ON	H3C 5K4	514-235-4712

Query executed successfully.

MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... | RETAILSALES | 00:00:00 | 19 rows

Ready

Ln 18 Col 3 Ch 3 INS

20764C-MIA-SQL on AYOBAMI-ODULAJA - Virtual Machine Connection

File Action Media View Help

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

RETAILSALES

Object Explorer

Connect +

MIA-SQL (SQL Server 14.0.1000.169 - ADVENTUREWORKS\Student (92))*

Databases

Security

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Integration Services Catalogs

SQL Server Agent

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))*

```
USE RetailSales;
GO

SELECT *
FROM OTTAWA_TRANSACTIONS;
```

Results

	TRANSACTIONID	PRODUCTID	CUSTOMERID	RETAILPRICE	QUANTITY
1	382746	6689995	122	179.00	3
2	55487766	6689995	122	150.00	5
3	371637184	382746	2	179.00	1
4	371637185	382747	2	20.00	10
5	371637186	399262	801	233.99	2
6	371637187	399263	802	59.99	3
7	371637188	399264	803	29.99	1
8	371637189	399265	804	13.99	2
9	371637190	399266	805	449.99	2
10	371637191	399267	806	19.99	3
11	371637192	399268	807	18.99	1

Query executed successfully.

MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... | RETAILSALES | 00:00:00 | 18 rows

Ready

Ln 31 Col 1 Ch 1 INS

- Run a query that displays only the first 5 lines of the Customers table

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'MIA-SQL (SQL Server 14.0.1000.169 - ADVENTU...'. The query editor in the center contains the following SQL code:

```
USE RetailSales;
GO

SELECT TOP (5) *
FROM OTTAWA.CUSTOMERS;
```

The Results pane at the bottom displays the first 5 rows of the Customers table. The status bar at the bottom indicates 'Query executed successfully.' and 'MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... RETAILSALES 00:00:00 5 rows'.

	CUSTOMERID	FIRSTNAME	LASTNAME	ADDRESS	CITY	PROVINCE	POSTALCODE	PHONENUMBER
1	1	Ali	DeNouiti	474 Sussex Drive	Ottawa	ON	K1N 3B5	613-555-1234
2	2	Barbara	Bjork	99 Colonel By Drive	Ottawa	ON	K4N 8G5	613-555-5678
3	120	Henriette	Samuel	120 Kings Cross Lane	Marionette	QC	R5T 6N8	611-556-9852
4	121	Rosina	Stivali	121 Hopkins Lane	Kingington	ON	U8Y 9L1	545-556-9866
5	122	Filippo	Candrea	52 Ferrari Drive	Follero	BC	Y9K 8K0	151-456-7855

Run a query that displays the last line in the Suppliers table

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'MIA-SQL (SQL Server 14.0.1000.169 - ADVENTU...'. The query editor in the center contains the following SQL code:

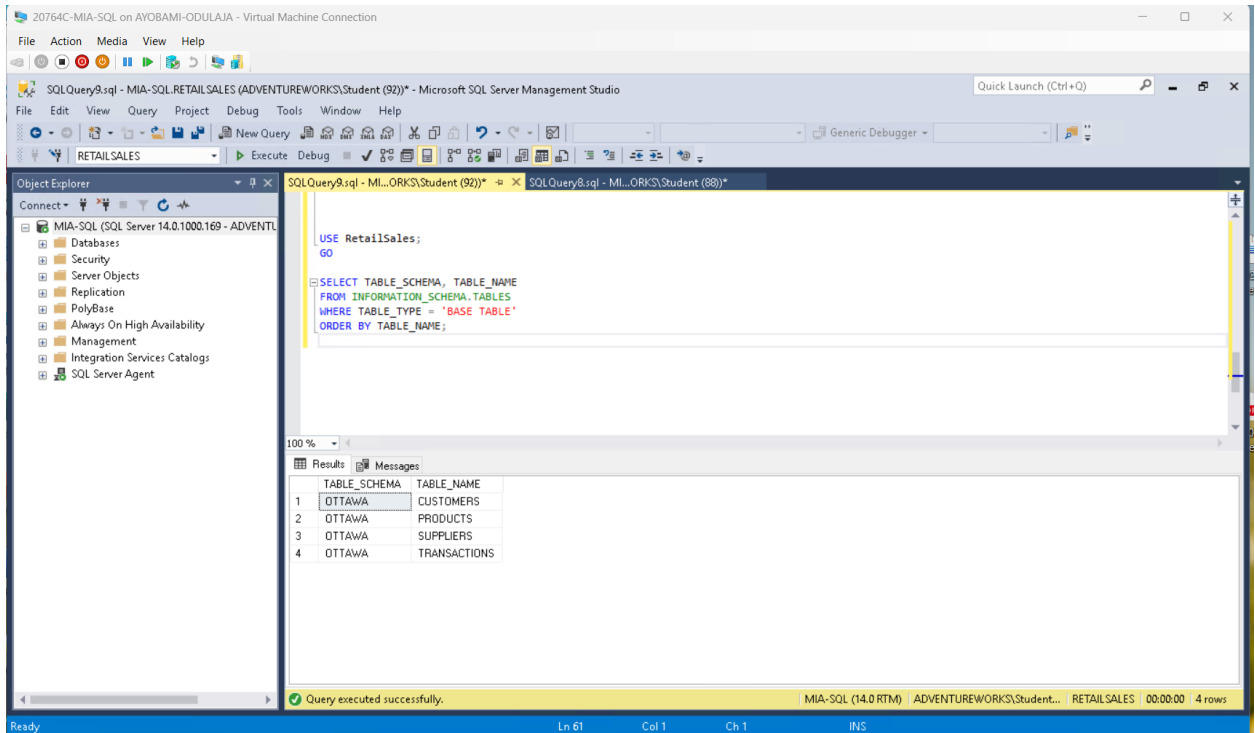
```
USE RetailSales;
GO

SELECT TOP (1) *
FROM OTTAWA.SUPPLIERS
ORDER BY SupplierID DESC;
```

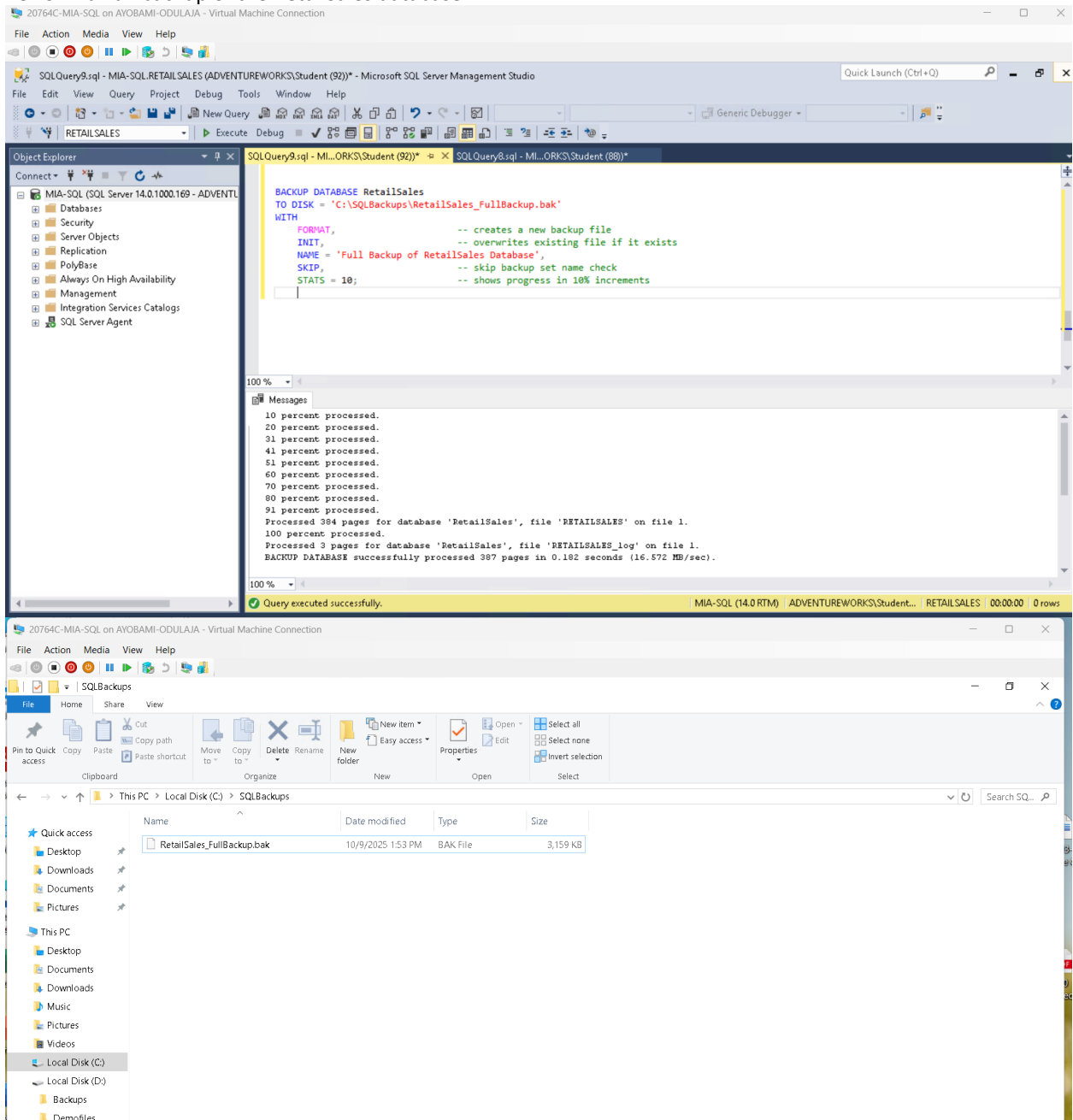
The Results pane at the bottom displays the last line of the Suppliers table. The status bar at the bottom indicates 'Query executed successfully.' and 'MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... RETAILSALES 00:00:00 1 rows'.

	SUPPLIERID	SUPPLIERNAME	ADDRESS	CITY	PROVINCE	POSTALCODE	PHONENUMBER
1	999999	Ayobami Odulaja	2582 Brandon Road	Ottawa	SK	S9K 1W8	302-717-3319

- Run a query that displays the names of the four tables that you created in the RetailSales database:



- Perform a Full backup of the RetailSales database



- Perform a transaction log backup of the RetailSales database:

The screenshot displays the SQL Server Enterprise environment. The top window shows the SQL Server Enterprise Manager interface with the 'RetailSales' database selected in the Object Explorer. The SQL Query window shows the following T-SQL script:

```
-- Transaction log backup
BACKUP LOG RetailSales
TO DISK = 'C:\SQLBackups\RetailSales_Log_YYYYMMDD_HHMMSS.trn'
WITH INIT,
NAME = 'RetailSales Log Backup',
STATS = 10; -- progress updates
```

The Messages pane shows the execution results:

```
100 percent processed.
Processed 3 pages for database 'RetailSales', file 'RETAILSALES_log' on file 1.
BACKUP LOG successfully processed 3 pages in 0.055 seconds (0.426 MB/sec).
```

The bottom window shows the 'SQLBackups' folder in the file explorer, displaying the following files:

Name	Date modified	Type	Size
RetailSales_FullBackup.bak	10/9/2025 1:53 PM	BAK File	3,159 KB
RetailSales_Log_YYYYMMDD_HHMMSS.trn	10/9/2025 2:01 PM	SQL Server Transac...	85 KB

- Run a query displaying the last line entered of each table:

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))* - Microsoft SQL Server Management Studio

```

USE RetailSales;
GO

SELECT TOP (1) *
FROM OTTAWA.CUSTOMERS
ORDER BY CustomerID DESC;

```

	CUSTOMERID	FIRSTNAME	LASTNAME	ADDRESS	CITY	PROVINCE	POSTALCODE	PHONENUMBER
1	888	Ayobami	Omolayo	218 Nothern Belgium	Ottawa	ON	K6L 3A1	803-820-5506

Query executed successfully. MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... | RETAILSALES | 00:00:00 | 1 rows

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))* - Microsoft SQL Server Management Studio

```

USE RetailSales;
GO

SELECT TOP (1) *
FROM OTTAWA.SUPPLIERS
ORDER BY SupplierID DESC;

```

	SUPPLIERID	SUPPLIERNAME	ADDRESS	CITY	PROVINCE	POSTALCODE	PHONENUMBER
1	8859992	Kalindi Corp	1 Starfield Way	Cal	YK	C8A L1E	332-654-7855

Query executed successfully. MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... | RETAILSALES | 00:00:00 | 1 rows

20764C-MIA-SQL on AYOBAMI-ODULAIA - Virtual Machine Connection

File Action Media View Help

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect - MIA-SQL (SQL Server 14.0.1000.169 - ADVENTUREWORKS\Student (92))*

- Databases
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))*

```
USE RetailSales;
GO

SELECT TOP (1) *
FROM OTTAWA.PRODUCTS
ORDER BY ProductID DESC;
```

Results

	PRODUCTID	DESCRIPTION	COST	RETAILPRICE	SUPPLIERID
1	62223335	Projector Screen 100 Inch 16:9	51.00	109.96	8859992

Query executed successfully. MIA-SQL (14.0 RTM) ADVENTUREWORKS\Student... RETAILSALES 00:00:00 1 rows

20764C-MIA-SQL on AYOBAMI-ODULAIA - Virtual Machine Connection

File Action Media View Help

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect - MIA-SQL (SQL Server 14.0.1000.169 - ADVENTUREWORKS\Student (92))*

- Databases
- Security
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- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent

SQLQuery9.sql - MIA-SQL.RETAILSALES (ADVENTUREWORKS\Student (92))*

```
USE RetailSales;
GO

SELECT TOP (1) *
FROM OTTAWA.TRANSACTIONS
ORDER BY TransNum DESC;
```

Results

	TRANSDNUM	PRODUCTID	CUSTOMERID	RETAILPRICE	QUANTITY
1	371637199	399261	801	95.59	1

Query executed successfully. MIA-SQL (14.0 RTM) ADVENTUREWORKS\Student... RETAILSALES 00:00:00 1 rows

Run a query showing that the cost field in the Products table has been encrypted

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure for 'MIA-SQL (SQL Server 14.0.1000.169 - ADVENTUREWORKS)'. The central query window shows the following SQL query:

```
SELECT ProductID, Cost FROM OTTAWA.PRODUCTS;
```

The Results pane at the bottom displays the query output. The 'Cost' column contains hexadecimal strings, indicating that the data is encrypted.

ProductID	Cost
8	399264 0x015491BCC752D4460EF25732CABD474735764757E4E544B90...
9	399265 0x01E6E28C241252742D8267C4CD303A6A0E3B7C9FBA5E38F1...
10	399266 0x011A15DC2BEE2FBD703763A2E4E0F910B0296812CC7ADB79...
11	399267 0x0117822918887FEAE963D2A2C77AA71B839D895A57A2C4F30...
12	399268 0x01F1F77214978E55EBED29589FE20CF8DEE2CE317EE9FB637...
13	399269 0x018D54023406E432CF40AE8C2C9AF2D27F5C4173C0CC5C2D...
14	399270 0x0110F26ED7F452F3DD92FB6E3338F16A5A11094F7A2A952CE...
15	399271 0x01C90F71A9E6DF35A5388DBDC93014E12865B6A35E2368A2F...
16	399272 0x01FC7873534F3097CB22754D5CD656ABD86534E514F438180...
17	499258 0x011C747C2BD557545070B67CC420F921F232BCD118290D749...
18	6685585 0x010092C4DE3673A9122553C62D2CDCE24BE3351FB3E36CC...

The status bar at the bottom indicates: 'Query executed successfully | MIA-SQL (14.0 RTM) | ADVENTUREWORKS\Student... | RETAILSALES | 00:00:00 | 20 rows'.

Unfortunately, I couldn't locate the dynamic display mask for the last two questions.

I will appreciate if I can be shown where it is on this version of SSMS.

Thank you.