

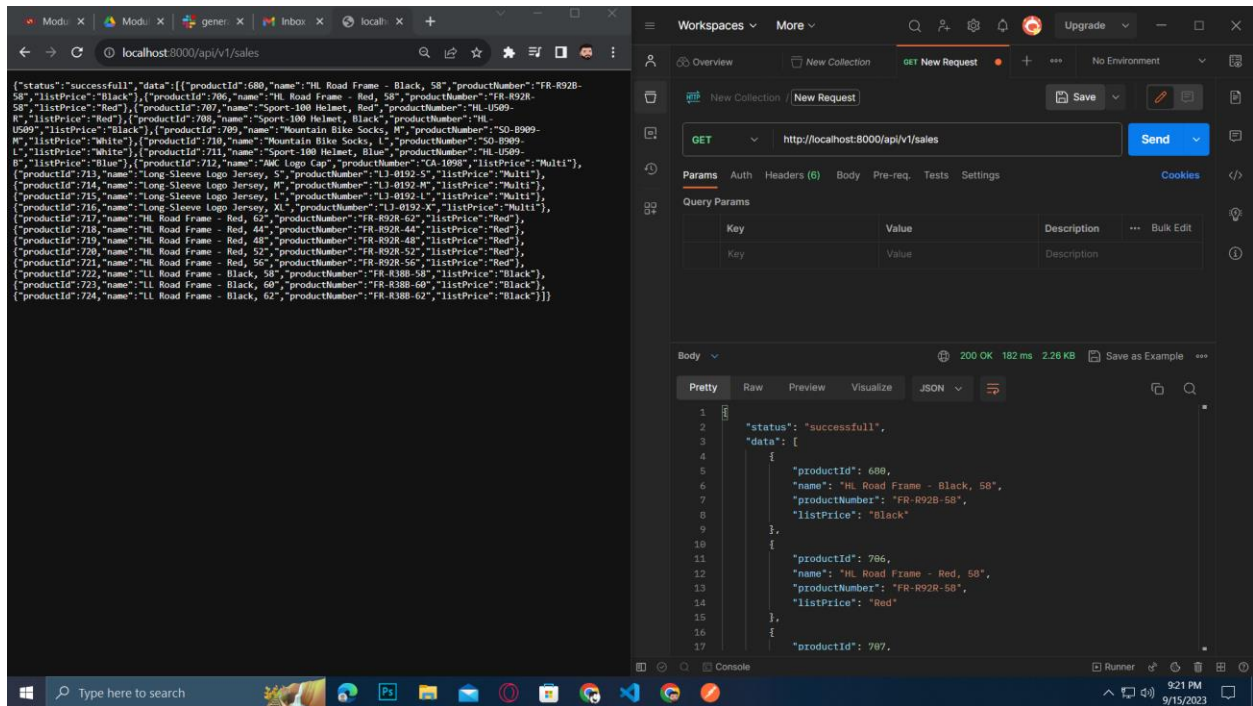


Name: Rishabh Singh

Assignment : Module 3 Activity 1: Database Access

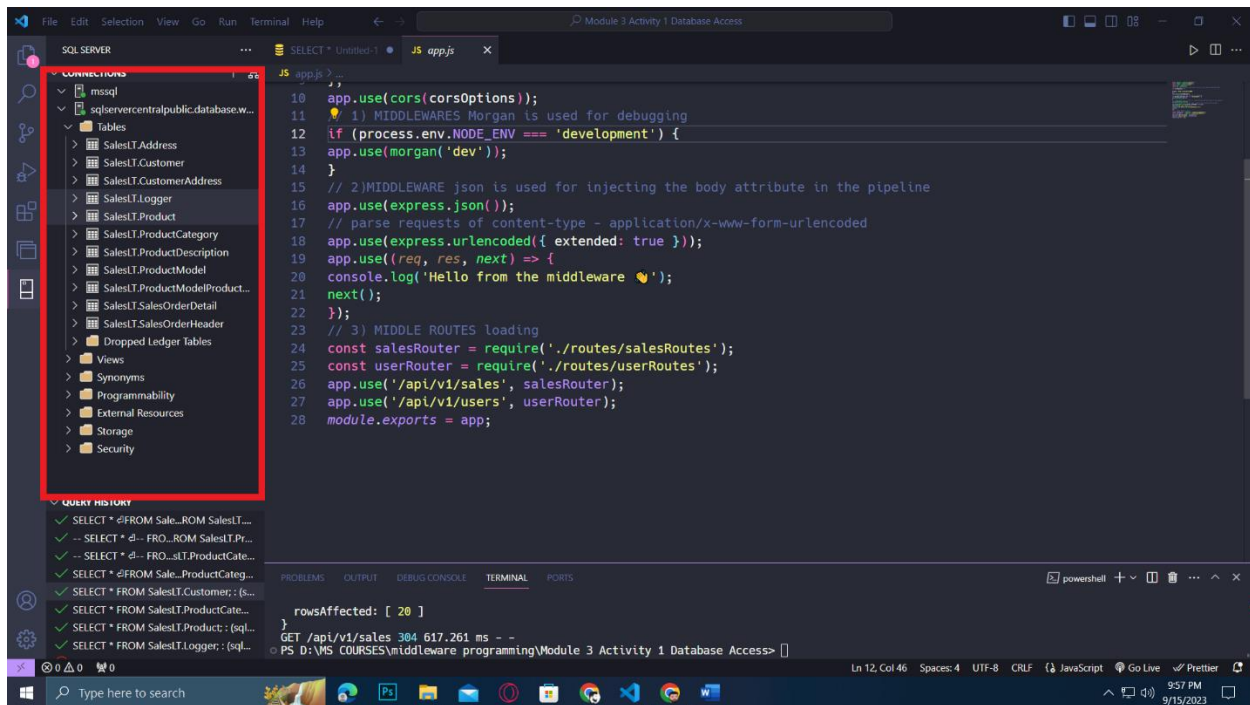
Task 1

Created a Successful Connection to the Database



Task 2

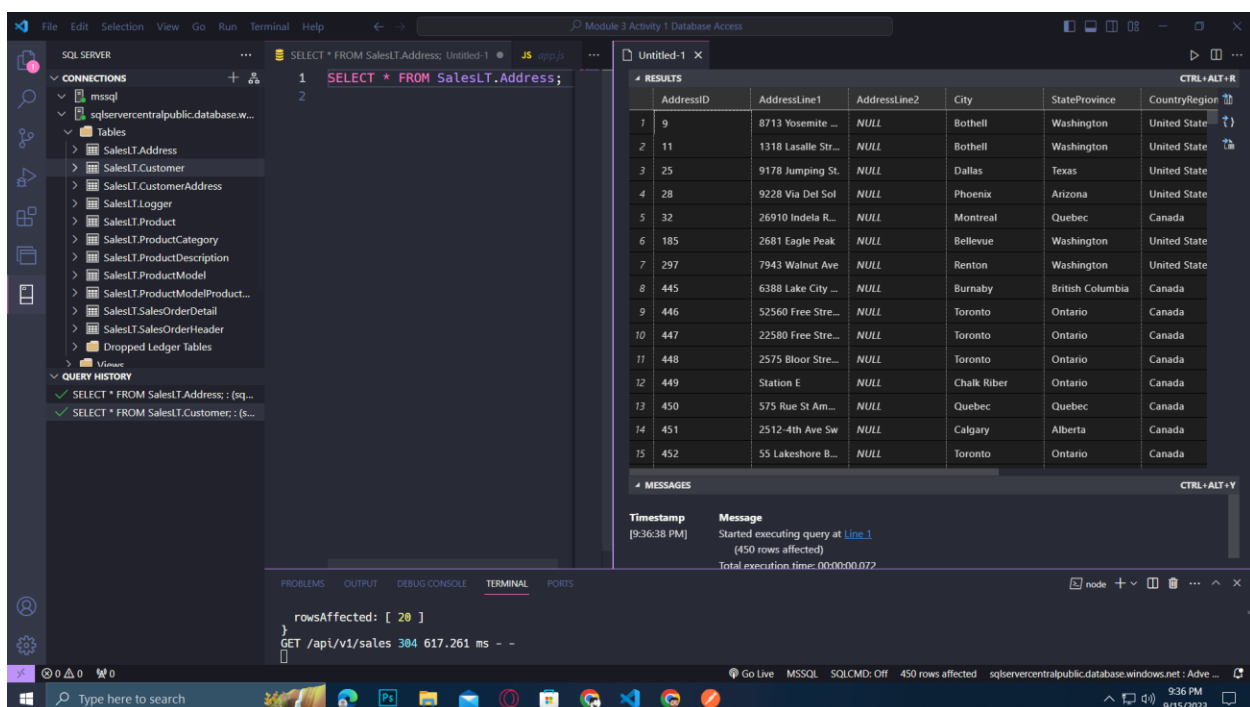
Screenshots Containing the Table Views



Task 3

Created Correct Individual SQL SELECT Statement to Query Data in four Tables
Provide the SQL Statements that you used to get Customers from the Database.

1)Address table



2)Customer Table

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'SalesLT.Customer' table structure with columns: CustomerID, NameStyle, Title, FirstName, MiddleName, and LastName. The right pane shows the query results for the query 'SELECT * FROM SalesLT.Customer;'. The results table has 15 rows and 6 columns. The bottom pane shows the message: 'Started executing query at Line 1 (847 rows affected) Total execution time: 00:00:00.272'.

CustomerID	NameStyle	Title	FirstName	MiddleName	LastName
1	0	Mr.	Orlando	N.	Gee
2	0	Mr.	Keith	NULL	Harris
3	0	Ms.	Donna	F.	Carreras
4	0	Ms.	Janet	M.	Gates
5	0	Mr.	Lucy	NULL	Harrington
6	0	Ms.	Rosmarie	J.	Carroll
7	0	Mr.	Dominic	P.	Gash
8	0	Ms.	Kathleen	M.	Garza
9	0	Ms.	Katherine	NULL	Harding
10	0	Mr.	Johany	A.	Caprio
11	0	Mr.	Christopher	R.	Beck
12	0	Mr.	David	J.	Liu
13	0	Mr.	John	A.	Beaver
14	0	Ms.	Jean	P.	Handley
15	0	NULL	Jinghao	NULL	Liu

3)product table

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'SalesLT.Product' table structure with columns: ProductID, Name, ProductNumber, Color, StandardCost, and ListPrice. The right pane shows the query results for the query 'SELECT * FROM SalesLT.Product;'. The results table has 15 rows and 6 columns. The bottom pane shows the message: 'Started executing query at Line 1 (295 rows affected) Total execution time: 00:00:01.029'.

ProductID	Name	ProductNumber	Color	StandardCost	ListPrice
1	HL Road Frame...	FR-R928-58	Black	1059.31	1431.50
2	HL Road Frame...	FR-R928-58	Red	1059.31	1431.50
3	Sport-100 Hel...	HL-U509-R	Red	13.0863	34.99
4	Sport-100 Hel...	HL-U509	Black	13.0863	34.99
5	Mountain Bike ...	SO-B909-M	White	3.3963	9.50
6	Mountain Bike ...	SO-B909-L	White	3.3963	9.50
7	Sport-100 Hel...	HL-U509-B	Blue	13.0863	34.99
8	AWC Logo Cap	CA-1098	Multi	6.9223	8.99
9	Long-Sleeve Lo...	LJ-0192-S	Multi	38.4923	49.99
10	Long-Sleeve Lo...	LJ-0192-M	Multi	38.4923	49.99
11	Long-Sleeve Lo...	LJ-0192-L	Multi	38.4923	49.99
12	Long-Sleeve Lo...	LJ-0192-X	Multi	38.4923	49.99
13	HL Road Frame...	FR-R928-62	Red	868.6342	1431.50
14	HL Road Frame...	FR-R928-44	Red	868.6342	1431.50
15	HL Road Frame...	FR-R928-48	Red	868.6342	1431.50

4)product category table

The screenshot shows the Visual Studio Code interface with a SQL query editor and a results pane. The query is:

```
1 SELECT * FROM SalesLT.ProductCategory;
2
```

The results pane displays the following data:

	ProductCatego...	ParentProductC...	Name	rowguid	ModifiedDate
1	1	NULL	Bikes	c7bda25c-df71-...	2002-06-01 00:...
2	2	NULL	Components	c657828d-d808-...	2002-06-01 00:...
3	3	NULL	Clothing	10a7c342-ca82-...	2002-06-01 00:...
4	4	NULL	Accessories	2be3be36-d9a-...	2002-06-01 00:...
5	5	1	Mountain Bikes	2d364ade-264a-...	2002-06-01 00:...
6	6	1	Road Bikes	000310c0-bcc8-...	2002-06-01 00:...
7	7	1	Touring Bikes	02c5061d-ecd-...	2002-06-01 00:...
8	8	2	Handlebars	3ef2c725-7135-...	2002-06-01 00:...
9	9	2	Bottom Brackets	a9e54089-8a1e-...	2002-06-01 00:...
10	10	2	Brakes	d43ba4a3-ef0d-...	2002-06-01 00:...
11	11	2	Chains	e93a7231-f16c-...	2002-06-01 00:...
12	12	2	Cranksets	4f64521-422b-...	2002-06-01 00:...
13	13	2	Derailleurs	1830d70c-aa2a-...	2002-06-01 00:...
14	14	2	Forks	b5f9ba42-b69b-...	2002-06-01 00:...
15	15	2	Headsets	7c782bbe-5a16-...	2002-06-01 00:...

The terminal pane shows the following output:

```
rowsAffected: [ 20 ]
GET /api/v1/sales 304 617.261 ms - -
```

Task 4

Created Correct SQL statements to JOIN Data in more than one table

Correct SQL statements to JOIN Data in more than one table

Show an example of joining two tables using COMPLETE SQL STATEMENTS with related data.

File Edit Selection View Go Run Terminal Help

Module 3 Activity 1 Database Access

SELECT * FROM SalesLT.Product
INNER JOIN SalesLT.ProductCategory
ON SalesLT.Product.ProductCategoryID=SalesLT.ProductCategory.ProductCategoryID;
-- SELECT * FROM SalesLT.ProductCategory;
-- SELECT * FROM SalesLT.Product;

RESULTS

	ProductID	Name	ProductNumber	Color
1	771	Mountain-100 ...	BK-M825-38	Silver
2	772	Mountain-100 ...	BK-M825-42	Silver
3	773	Mountain-100 ...	BK-M825-44	Silver
4	774	Mountain-100 ...	BK-M825-48	Silver
5	775	Mountain-100 ...	BK-M828-38	Black
6	776	Mountain-100 ...	BK-M828-42	Black
7	777	Mountain-100 ...	BK-M828-44	Black
8	778	Mountain-100 ...	BK-M828-48	Black
9	779	Mountain-200 ...	BK-M685-38	Silver
10	780	Mountain-200 ...	BK-M685-42	Silver
11	781	Mountain-200 ...	BK-M685-46	Silver
12	782	Mountain-200 ...	BK-M688-38	Black
13	783	Mountain-200 ...	BK-M688-42	Black
14	784	Mountain-200 ...	BK-M688-46	Black
15	785	Mountain-300 ...	BK-M478-38	Black

MESSAGES

Timestamp Message
[9:47:45 PM] Started executing query at Line 1
(295 rows affected)
Total execution time: 00:00:01.200

rowsAffected: [20]
GET /api/v1/sales 304 617.261 ms --

Go Live MSSQL SQLCMD: Off 295 rows affected sqlservercentralpublic.database.windows.net : Adve ...

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File Edit Selection View Go Run Terminal Help

Module 3 Activity 1 Database Access

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MESSAGES

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