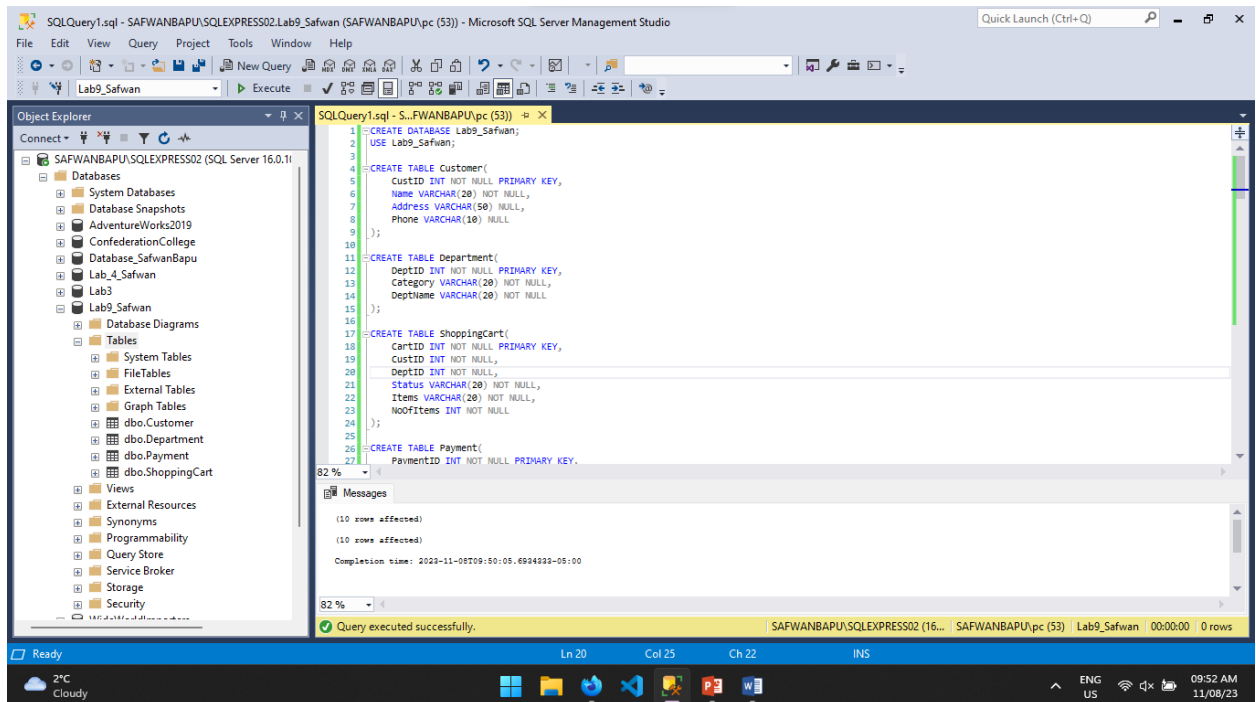
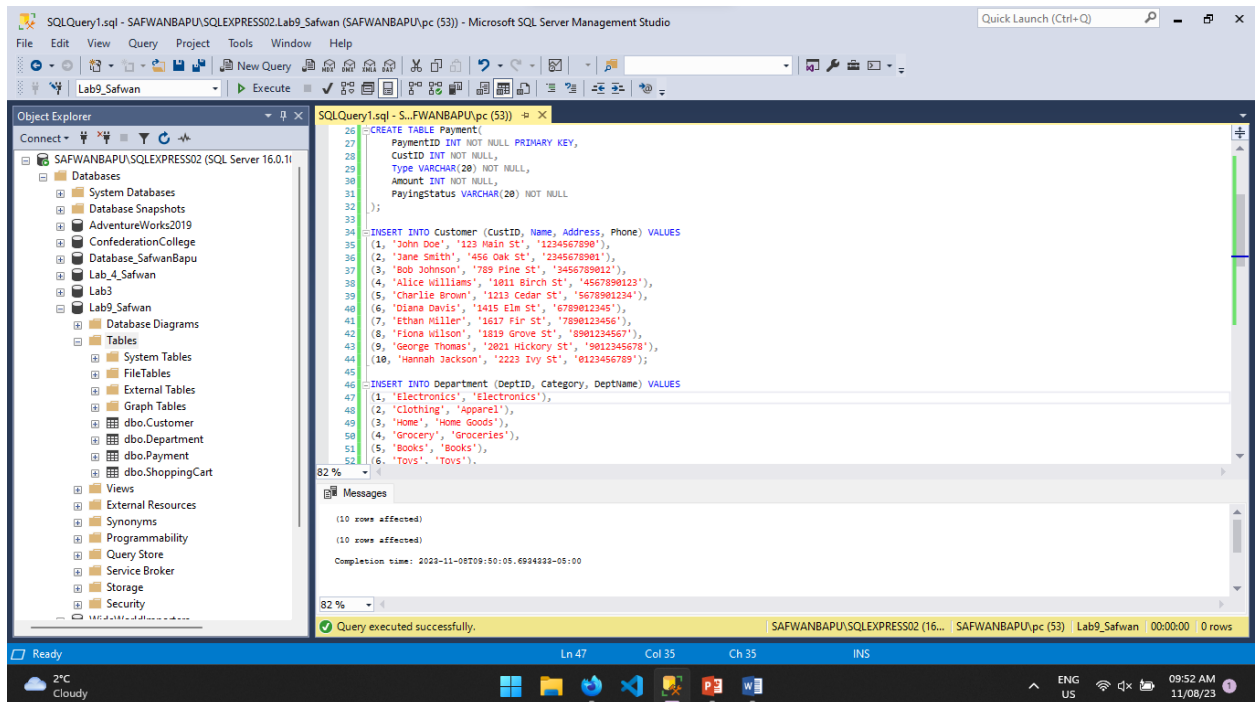


1. CREATE TABLE AND INSERT: CREATING TABLES



INSERTING RECORDS IN TABLE



2. Write a query to display all the customers' information if they have shopped and paid in your grocery store.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'SAFWANBAPU\SQLEXPRESS02'. The main query window contains the following SQL code:

```
SQLQuery1.sql - SAFWANBAPU\pc (53)
(1, 1, 'Credit Card', 500, 'Paid'),
(2, 2, 'Debit Card', 75, 'Paid'),
(3, 3, 'PayPal', 250, 'Paid'),
(4, 4, 'Credit Card', 10, 'Paid'),
(5, 5, 'Debit Card', 30, 'Paid'),
(6, 6, 'PayPal', 25, 'Paid'),
(7, 7, 'Credit Card', 50, 'Paid'),
(8, 8, 'Debit Card', 20, 'Paid'),
(9, 9, 'PayPal', 15, 'Paid'),
(10, 10, 'Credit Card', 100, 'Paid');

SELECT C.*
FROM Customer AS C
JOIN Payment P
ON C.CustID = P.CustID
WHERE PayingStatus = 'PAID';
```

The Results pane shows the following data:

CustID	Name	Address	Phone
6	Diana Davis	1415 Elm St	6789012345
7	Ethan Miller	1617 Fir St	7890123456
8	Fiona Wilson	1819 Grove St	8901234567
9	George Tho...	2021 Hickor...	9012345678
10	Hannah Ja...	2223 Ivy St	0123456789

The status bar indicates the query was executed successfully, returning 10 rows.

3. Write a query to display all the customers' ID and names if they have shopped ten or more items in your grocery store.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'SAFWANBAPU\SQLEXPRESS02'. The main query window contains the following SQL code:

```
SQLQuery1.sql - SAFWANBAPU\pc (53)
INSERT INTO Payment (PaymentID, CustID, Type, Amount, PayingStatus) VALUES
(1, 1, 'Credit Card', 500, 'Paid'),
(2, 2, 'Debit Card', 75, 'Paid'),
(3, 3, 'PayPal', 250, 'Paid'),
(4, 4, 'Credit Card', 10, 'Paid'),
(5, 5, 'Debit Card', 30, 'Paid'),
(6, 6, 'PayPal', 25, 'Paid'),
(7, 7, 'Credit Card', 50, 'Paid'),
(8, 8, 'Debit Card', 20, 'Paid'),
(9, 9, 'PayPal', 15, 'Paid'),
(10, 10, 'Credit Card', 100, 'Paid');

SELECT C.*
FROM Customer AS C
JOIN Payment P
ON C.CustID = P.CustID
WHERE PayingStatus = 'PAID';

SELECT C.CustID, C.Name
FROM Customer AS C
JOIN ShoppingCart SC
ON C.CustID = SC.CustID
GROUP BY C.CustID, C.Name
HAVING SUM(SC.NoOfItems) >= 10;
```

The Results pane shows the following data:

CustID	Name
4	Alice Williams

The status bar indicates the query was executed successfully, returning 1 row.

4. Write a query to display all the customers' ID and names if they have shopped using their credit card in your grocery store.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'SAFWANBAPU\SQLEXPRESS02 (SQL Server 16.0.101)'. The main query window contains the following SQL code:

```
SELECT C.*
FROM Customer AS C
JOIN Payment P
ON C.CustID = P.CustID
WHERE P.PaymentStatus = 'PAID';

SELECT C.CustID, C.Name
FROM Customer AS C
JOIN ShoppingCart SC
ON C.CustID = SC.CustID
GROUP BY C.CustID, C.Name
HAVING SUM(SC.NoOfItems) >= 10;

SELECT C.CustID, C.Name
FROM Customer AS C
JOIN Payment P
ON C.CustID = P.CustID
WHERE P.Type = 'Credit Card';
```

The Results pane shows the output of the third query:

CustID	Name
1	John Doe
2	Alice Williams
3	Ethan Miller
4	Hannah Jackson

The status bar at the bottom indicates 'Query executed successfully.' and '4 rows'.

5. Write a query to display all those customers' names if they have shopped in the 'Dairy' department of your grocery store. Also display how many items they have purchased from this department.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'SAFWANBAPU\SQLEXPRESS02 (SQL Server 16.0.101)'. The main query window contains the following SQL code:

```
/*
4. Write a query to display all the customers' ID and names if they have shopped using their credit card in your grocery store.
*/
SELECT C.CustID, C.Name
FROM Customer AS C
JOIN Payment P
ON C.CustID = P.CustID
WHERE P.Type = 'Credit Card';

/*
5. Write a query to display all those customers' names if they have shopped in the 'Dairy' department of your grocery store. Also display how many items they
have purchased from this department.
*/
SELECT C.Name, SUM(SC.NoOfItems) AS ItemsBought
FROM Customer AS C
JOIN ShoppingCart AS SC
ON C.CustID = SC.CustID
JOIN Department AS D
ON D.DeptID = SC.DeptID
WHERE D.DeptName = 'Dairy'
GROUP BY C.CustID, C.Name;
```

The Results pane shows the output of the second query:

Name	ItemsBought
George Thomas	2

The status bar at the bottom indicates 'Query executed successfully.' and '1 rows'.