AoL Database Technology - Documentation

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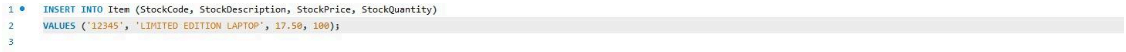
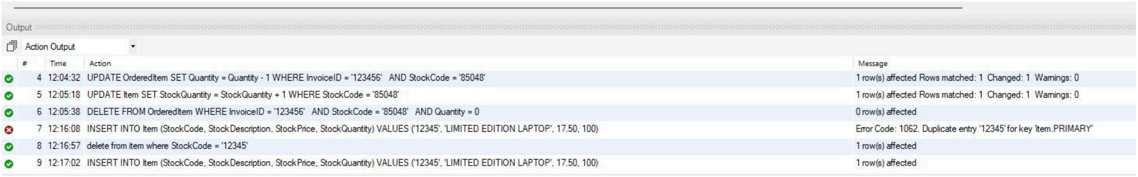
Query 1: New Product

Add a new, never-before-seen product to the database.



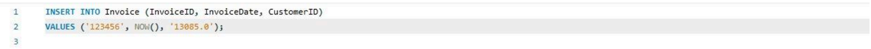
```sql
INSERT INTO Item (StockCode, StockDescription, StockPrice, StockQuantity)
VALUES ('12345', 'LIMITED EDITION LAPTOP', 17.50, 100);
```



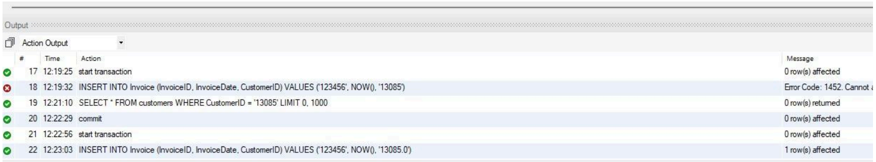
```
#  Time      Action                                                                                                        Message
4  12:04:32  UPDATE OrderedItem SET Quantity = Quantity - 1 WHERE InvoiceID = '123456'  AND StockCode = '85048'            1 row(s) affected Rows matched: 1  Changed: 1  Warnings: 0
5  12:05:18  UPDATE Item SET StockQuantity = StockQuantity + 1 WHERE StockCode = '85048'                                   1 row(s) affected Rows matched: 1  Changed: 1  Warnings: 0
6  12:05:38  DELETE FROM OrderedItem WHERE InvoiceID = '123456'  AND StockCode = '85048'  AND Quantity = 0                 0 row(s) affected
7  12:16:08  INSERT INTO Item (StockCode, StockDescription, StockPrice, StockQuantity) VALUES ('12345', 'LIMITED EDITION LAPTOP', 17.50, 100)   Error Code: 1062. Duplicate entry '12345' for key 'item.PRIMARY'
8  12:16:57  delete from item where StockCode = '12345'                                                                    1 row(s) affected
9  12:17:02  INSERT INTO Item (StockCode, StockDescription, StockPrice, StockQuantity) VALUES ('12345', 'LIMITED EDITION LAPTOP', 17.50, 100)   1 row(s) affected
```

Query 2: Customer Order

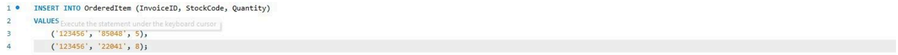
Write the series of statements required for an existing customer to order two different products in a single transaction.



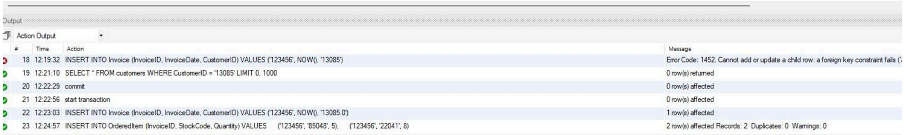
```
INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID)
VALUES ('123456', NOW(), '13085.0');
```



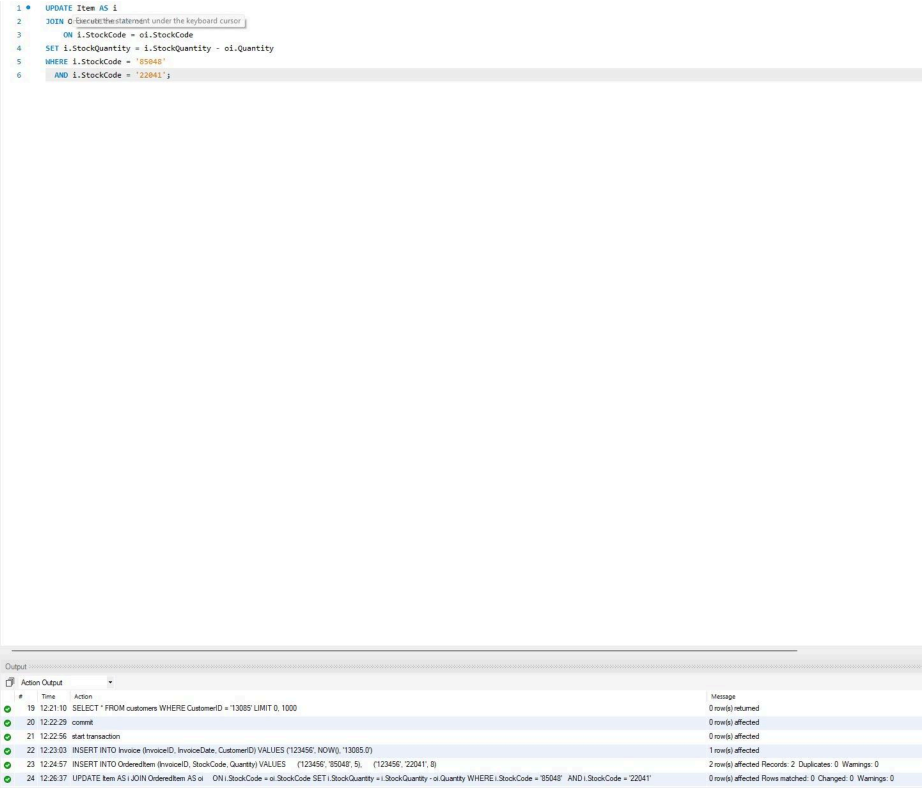
```
#   Time      Action                                                                              Message
17  12:19:25  start transaction                                                                   0 row(s) affected
18  12:19:32  INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('123456', NOW(), '13085')     Error Code: 1452. Cannot a
19  12:21:10  SELECT * FROM customers WHERE CustomerID = '13085' LIMIT 0, 1000                    0 row(s) returned
20  12:22:29  commit                                                                              0 row(s) affected
21  12:22:56  start transaction                                                                   0 row(s) affected
22  12:23:03  INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('123456', NOW(), '13085.0')   1 row(s) affected
```



```
INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity)
VALUES
    ('123456', '85048', 5),
    ('123456', '22041', 8);
```



```
#   Time      Action                                                                              Message
18  12:19:32  INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('123456', NOW(), '13085')     Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails ('
19  12:21:10  SELECT * FROM customers WHERE CustomerID = '13085' LIMIT 0, 1000                    0 row(s) returned
20  12:22:29  commit                                                                              0 row(s) affected
21  12:22:56  start transaction                                                                   0 row(s) affected
22  12:23:03  INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('123456', NOW(), '13085.0')   1 row(s) affected
23  12:24:57  INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity) VALUES     ('123456', '85048', 5),     ('123456', '22041', 8)   2 row(s) affected Records: 2  Duplicates: 0  Warnings: 0
```

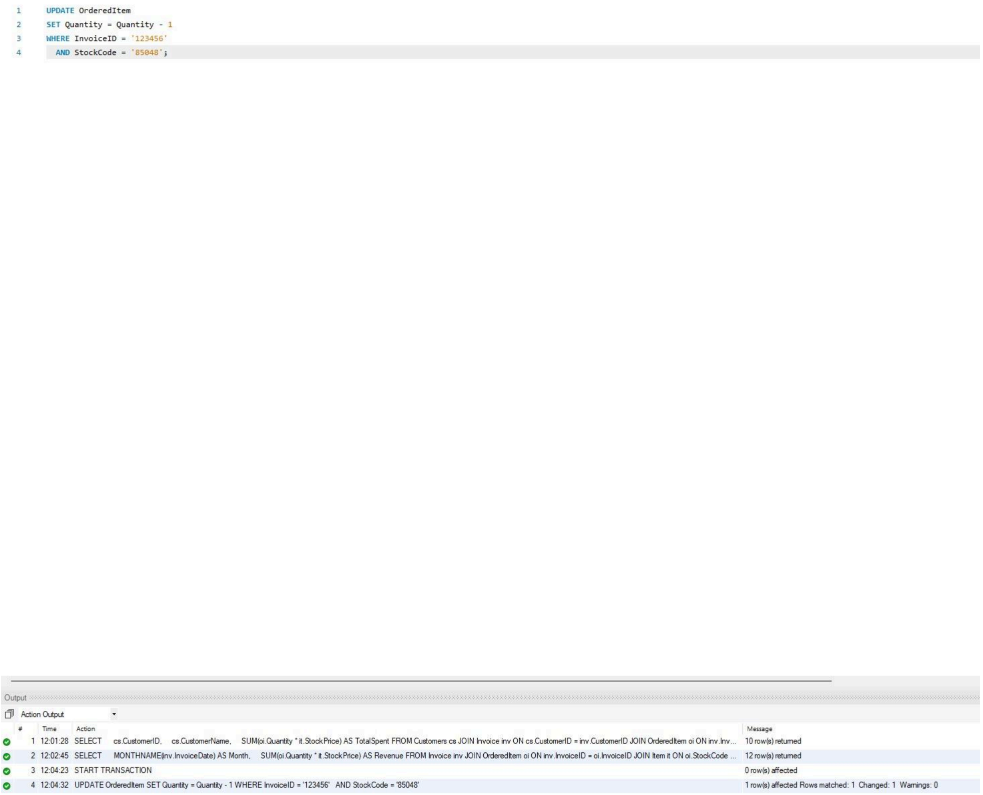


```sql
UPDATE Item AS i
JOIN O
    ON i.StockCode = oi.StockCode
SET i.StockQuantity = i.StockQuantity - oi.Quantity
WHERE i.StockCode = '85048'
  AND i.StockCode = '22041';
```

```
    #  Time      Action                                                                                                                                             Message
   19  12:21:10  SELECT * FROM customers WHERE CustomerID = '13085' LIMIT 0, 1000                                                                                   0 row(s) returned
   20  12:22:29  commit                                                                                                                                             0 row(s) affected
   21  12:22:56  start transaction                                                                                                                                  0 row(s) affected
   22  12:23:03  INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('123456', NOW(), '13085.0')                                                       1 row(s) affected
   23  12:24:57  INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity) VALUES     ('123456', '85048', 5),     ('123456', '22041', 8)                             2 row(s) affected Records: 2  Duplicates: 0  Warnings: 0
   24  12:26:37  UPDATE Item AS i JOIN OrderedItem AS oi     ON i.StockCode = oi.StockCode SET i.StockQuantity = i.StockQuantity - oi.Quantity WHERE i.StockCode = '85048'   AND i.StockCode = '22041'   0 row(s) affected Rows matched: 0  Changed: 0  Warnings: 0
```

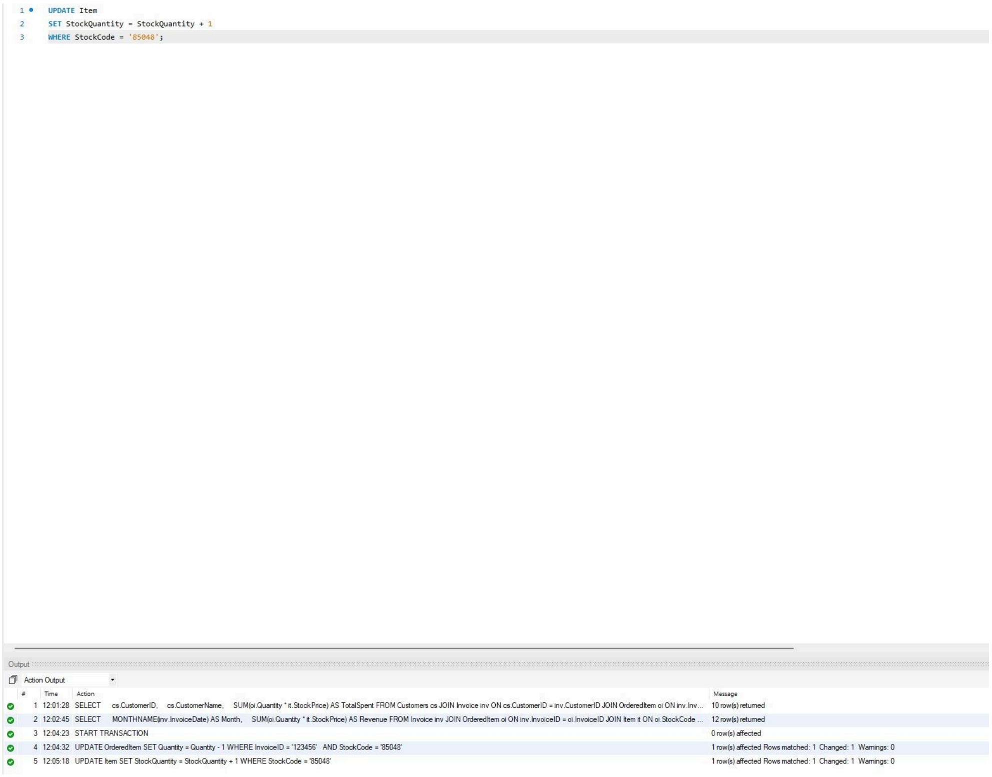
Query 3: Customer Return

Write the statements required to process a return for one of the items from the order you created above.



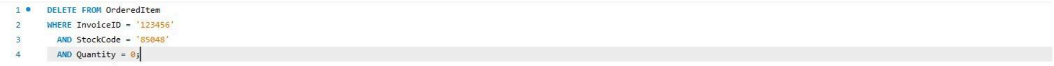
```sql
UPDATE OrderedItem
SET Quantity = Quantity - 1
WHERE InvoiceID = '123456'
  AND StockCode = '85048';
```

```
Output
Action Output
    #  Time      Action                                                                                                                                                    Message
✓   1  12:01:28  SELECT    cs.CustomerID,    cs.CustomerName,    SUM(oi.Quantity * it.StockPrice) AS TotalSpent FROM Customers cs JOIN Invoice inv ON cs.CustomerID = inv.CustomerID JOIN OrderedItem oi ON inv.Inv...   10 row(s) returned
✓   2  12:02:45  SELECT    MONTHNAME(inv.InvoiceDate) AS Month,    SUM(oi.Quantity * it.StockPrice) AS Revenue FROM Invoice inv JOIN OrderedItem oi ON inv.InvoiceID = oi.InvoiceID JOIN Item it ON oi.StockCode ...   12 row(s) returned
✓   3  12:04:23  START TRANSACTION                                                                                                                                         0 row(s) affected
✓   4  12:04:32  UPDATE OrderedItem SET Quantity = Quantity - 1 WHERE InvoiceID = '123456'   AND StockCode = '85048'                                                   1 row(s) affected Rows matched: 1  Changed: 1  Warnings: 0
```

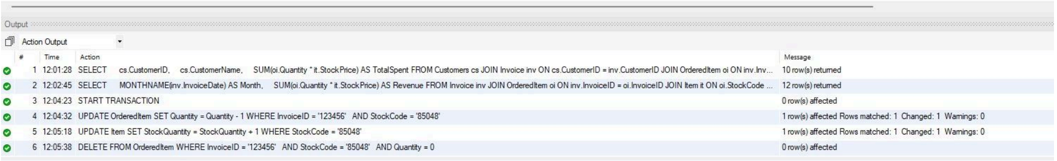


```sql
UPDATE Item
SET StockQuantity = StockQuantity + 1
WHERE StockCode = '85048';
```

```
Output
Action Output
    #  Time      Action                                                                                                                                                    Message
✓   1  12:01:28  SELECT    cs.CustomerID,    cs.CustomerName,    SUM(oi.Quantity * it.StockPrice) AS TotalSpent FROM Customers cs JOIN Invoice inv ON cs.CustomerID = inv.CustomerID JOIN OrderedItem oi ON inv.Inv...   10 row(s) returned
✓   2  12:02:45  SELECT    MONTHNAME(inv.InvoiceDate) AS Month,    SUM(oi.Quantity * it.StockPrice) AS Revenue FROM Invoice inv JOIN OrderedItem oi ON inv.InvoiceID = oi.InvoiceID JOIN Item it ON oi.StockCode ...   12 row(s) returned
✓   3  12:04:23  START TRANSACTION                                                                                                                                         0 row(s) affected
✓   4  12:04:32  UPDATE OrderedItem SET Quantity = Quantity - 1 WHERE InvoiceID = '123456'   AND StockCode = '85048'                                                   1 row(s) affected Rows matched: 1  Changed: 1  Warnings: 0
✓   5  12:05:18  UPDATE Item SET StockQuantity = StockQuantity + 1 WHERE StockCode = '85048'                                                                           1 row(s) affected Rows matched: 1  Changed: 1  Warnings: 0
```



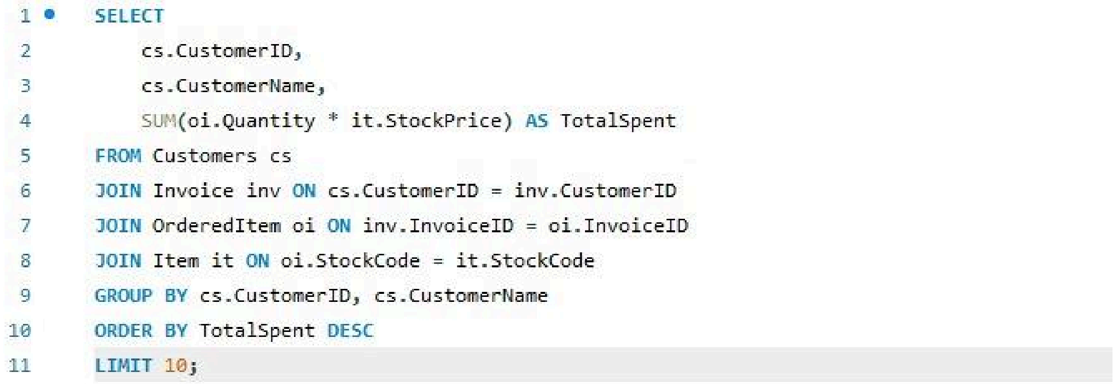
```sql
DELETE FROM OrderedItem
WHERE InvoiceID = '123456'
  AND StockCode = '85048'
  AND Quantity = 0;
```



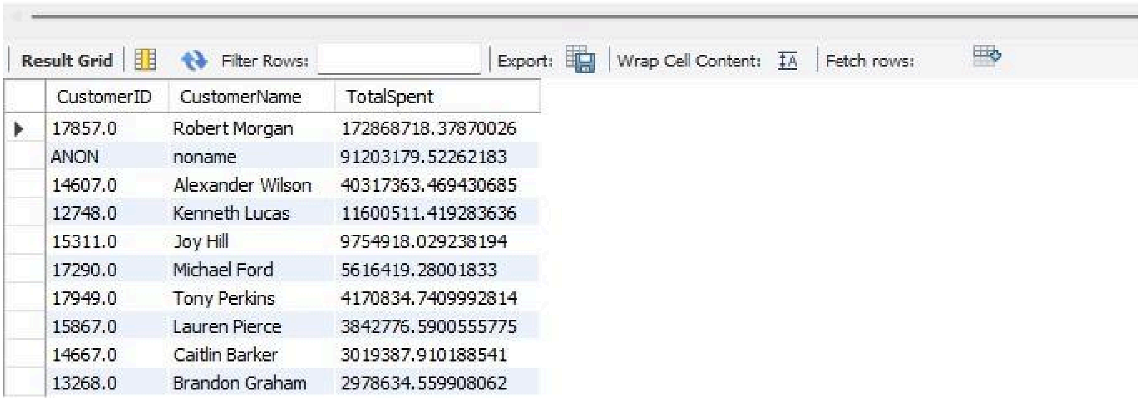
#	Time	Action	Message
1	12:01:28	SELECT cs.CustomerID, cs.CustomerName, SUM(oi.Quantity * it.StockPrice) AS TotalSpent FROM Customers cs JOIN Invoice inv ON cs.CustomerID = inv.CustomerID JOIN OrderedItem oi ON inv.Inv...	10 row(s) returned
2	12:02:45	SELECT MONTHNAME(inv.InvoiceDate) AS Month, SUM(oi.Quantity * it.StockPrice) AS Revenue FROM Invoice inv JOIN OrderedItem oi ON inv.InvoiceID = oi.InvoiceID JOIN Item it ON oi.StockCode ...	12 row(s) returned
3	12:04:23	START TRANSACTION	0 row(s) affected
4	12:04:32	UPDATE OrderedItem SET Quantity = Quantity - 1 WHERE InvoiceID = '123456' AND StockCode = '85048'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
5	12:05:18	UPDATE Item SET StockQuantity = StockQuantity + 1 WHERE StockCode = '85048'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
6	12:05:38	DELETE FROM OrderedItem WHERE InvoiceID = '123456' AND StockCode = '85048' AND Quantity = 0	0 row(s) affected

Query 4: Analytical Report

Write a query to find the top 10 customers by total money spent.



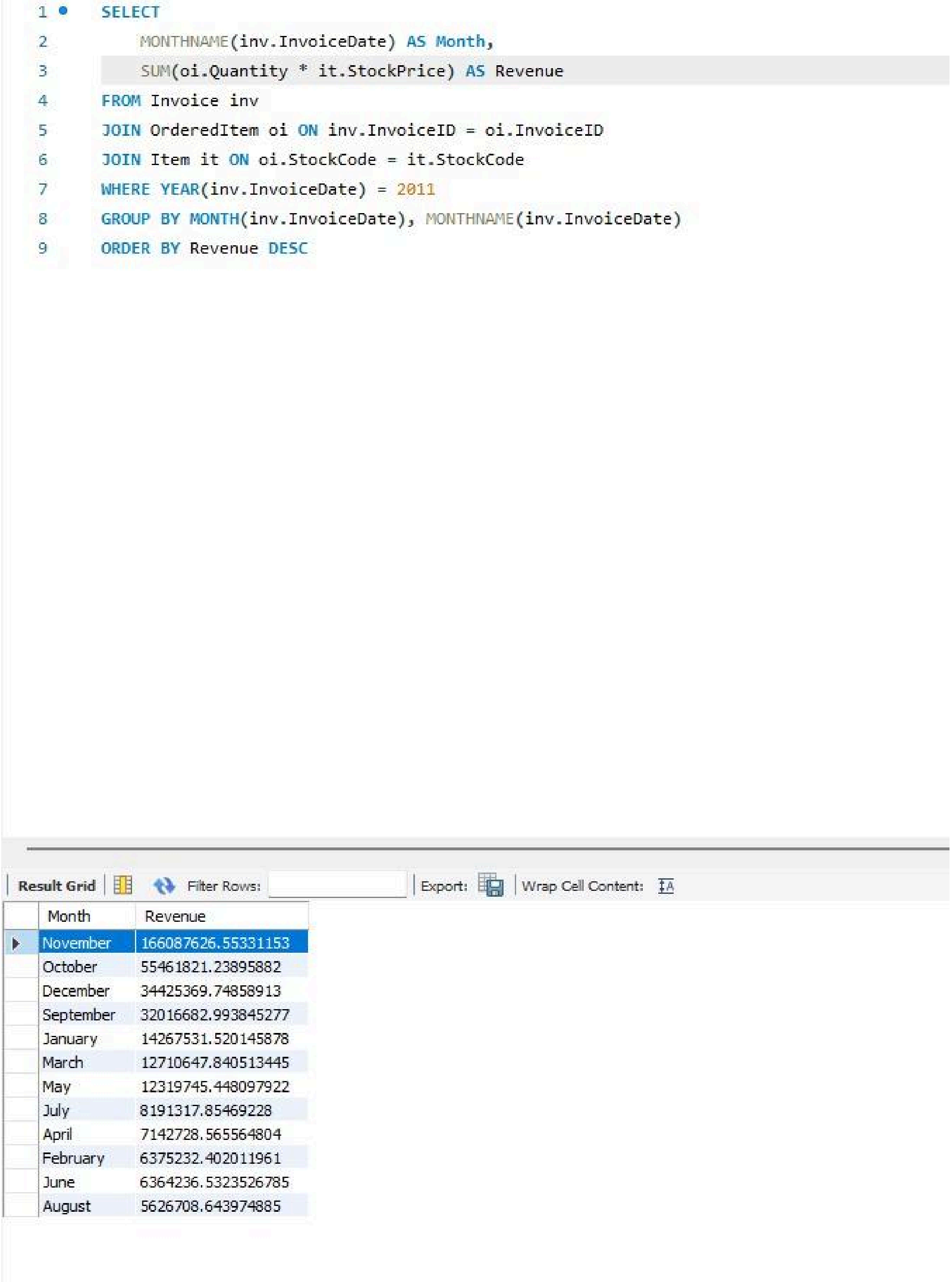
```sql
SELECT
    cs.CustomerID,
    cs.CustomerName,
    SUM(oi.Quantity * it.StockPrice) AS TotalSpent
FROM Customers cs
JOIN Invoice inv ON cs.CustomerID = inv.CustomerID
JOIN OrderedItem oi ON inv.InvoiceID = oi.InvoiceID
JOIN Item it ON oi.StockCode = it.StockCode
GROUP BY cs.CustomerID, cs.CustomerName
ORDER BY TotalSpent DESC
LIMIT 10;
```



CustomerID	CustomerName	TotalSpent
17857.0	Robert Morgan	172868718.37870026
ANON	noname	91203179.52262183
14607.0	Alexander Wilson	40317363.469430685
12748.0	Kenneth Lucas	11600511.419283636
15311.0	Joy Hill	9754918.029238194
17290.0	Michael Ford	5616419.28001833
17949.0	Tony Perkins	4170834.7409992814
15867.0	Lauren Pierce	3842776.5900555775
14667.0	Caitlin Barker	3019387.910188541
13268.0	Brandon Graham	2978634.559908062

Query 5: Analytical Report

Write a query to identify the month with the highest total sales revenue in the year 2011.

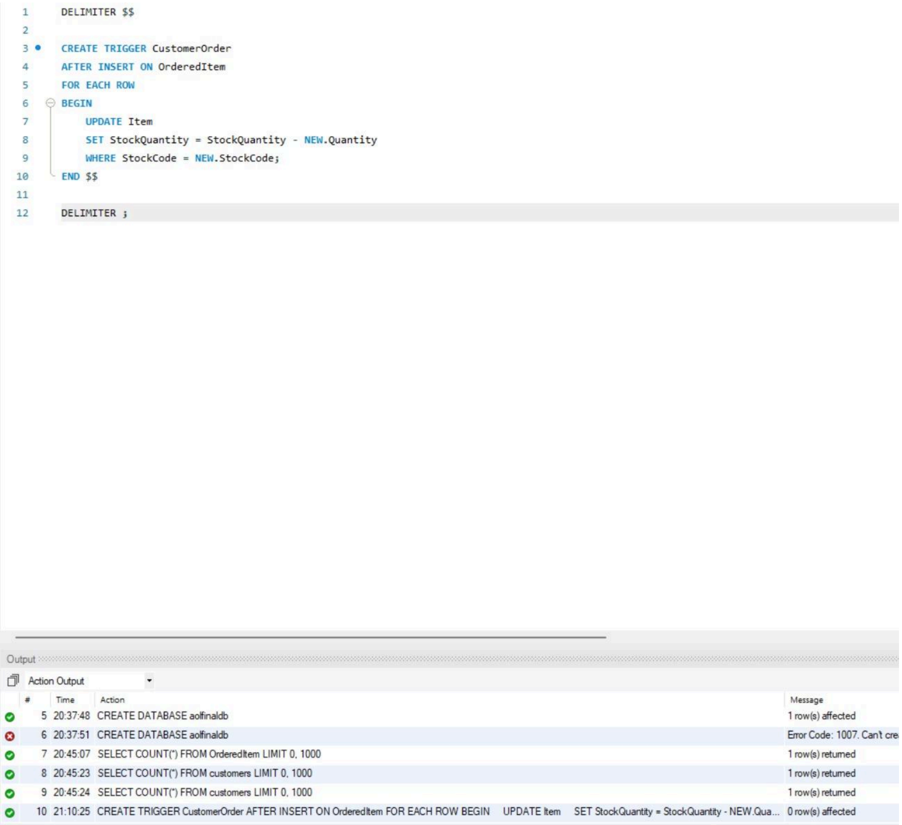


```sql
SELECT
    MONTHNAME(inv.InvoiceDate) AS Month,
    SUM(oi.Quantity * it.StockPrice) AS Revenue
FROM Invoice inv
JOIN OrderedItem oi ON inv.InvoiceID = oi.InvoiceID
JOIN Item it ON oi.StockCode = it.StockCode
WHERE YEAR(inv.InvoiceDate) = 2011
GROUP BY MONTH(inv.InvoiceDate), MONTHNAME(inv.InvoiceDate)
ORDER BY Revenue DESC
```

Month	Revenue
November	166087626.55331153
October	55461821.23895882
December	34425369.74858913
September	32016682.993845277
January	14267531.520145878
March	12710647.840513445
May	12319745.448097922
July	8191317.85469228
April	7142728.565564804
February	6375232.402011961
June	6364236.5323526785
August	5626708.643974885

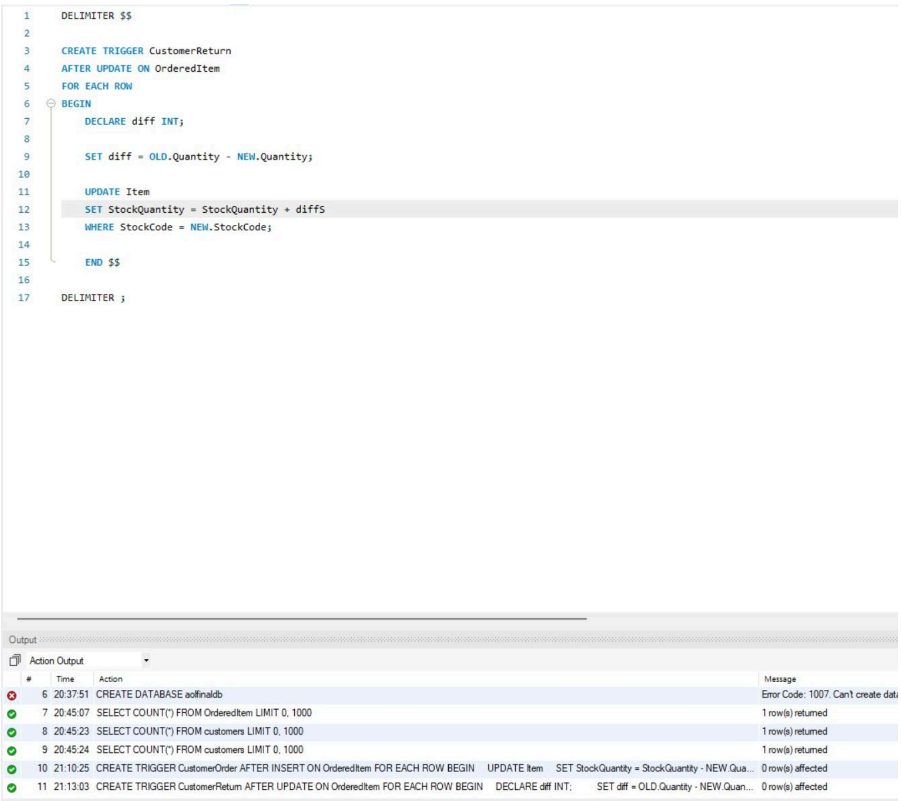
Trigger

Create a trigger that automatically updates the inventory level of a product whenever a transaction (sale or return) involving that product is recorded.



```sql
DELIMITER $$

CREATE TRIGGER CustomerOrder
AFTER INSERT ON OrderedItem
FOR EACH ROW
BEGIN
    UPDATE Item
    SET StockQuantity = StockQuantity - NEW.Quantity
    WHERE StockCode = NEW.StockCode;
END $$

DELIMITER ;
```

```
 #   Time      Action                                                                                                                     Message
 5   20:37:48  CREATE DATABASE aolfinaldb                                                                                                 1 row(s) affected
 6   20:37:51  CREATE DATABASE aolfinaldb                                                                                                 Error Code: 1007. Can't cre
 7   20:45:07  SELECT COUNT(*) FROM OrderedItem LIMIT 0, 1000                                                                             1 row(s) returned
 8   20:45:23  SELECT COUNT(*) FROM customers LIMIT 0, 1000                                                                               1 row(s) returned
 9   20:45:24  SELECT COUNT(*) FROM customers LIMIT 0, 1000                                                                               1 row(s) returned
10   21:10:25  CREATE TRIGGER CustomerOrder AFTER INSERT ON OrderedItem FOR EACH ROW BEGIN    UPDATE Item    SET StockQuantity = StockQuantity - NEW.Qua...  0 row(s) affected
```

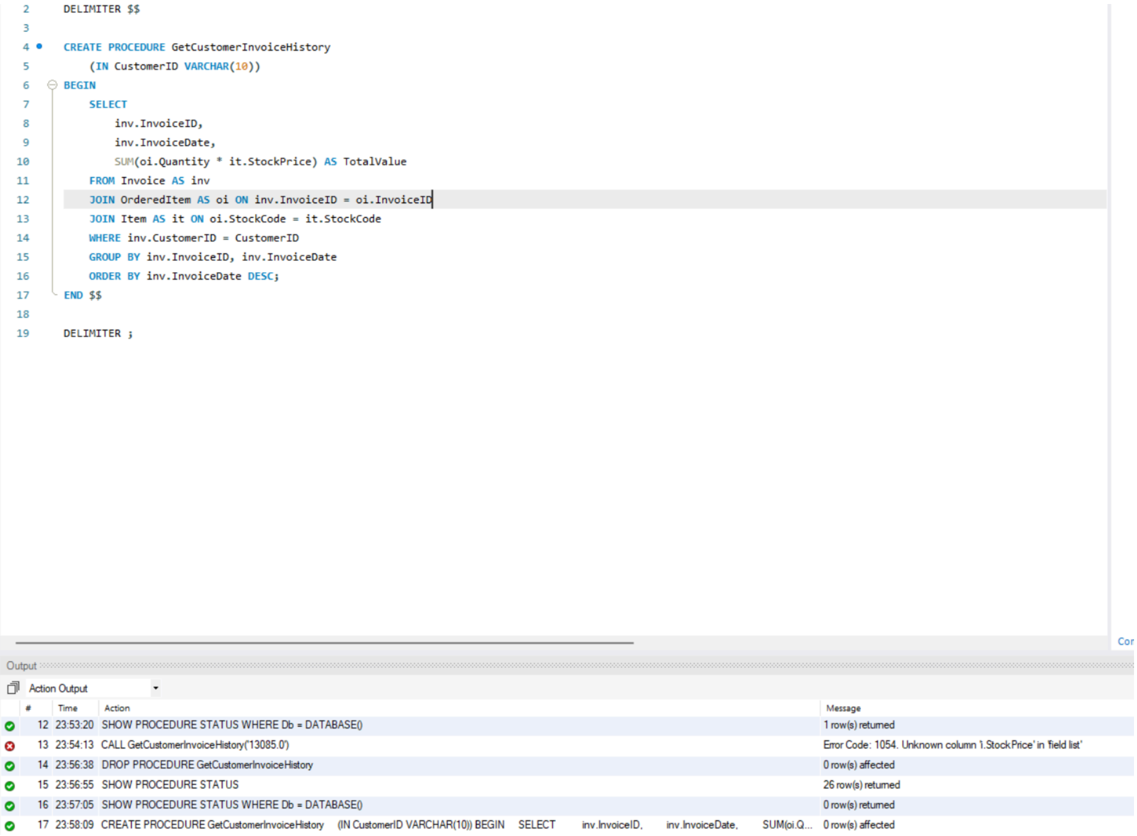


```sql
DELIMITER $$

CREATE TRIGGER CustomerReturn
AFTER UPDATE ON OrderedItem
FOR EACH ROW
BEGIN
    DECLARE diff INT;

    SET diff = OLD.Quantity - NEW.Quantity;

    UPDATE Item
    SET StockQuantity = StockQuantity + diffS
    WHERE StockCode = NEW.StockCode;

    END $$

DELIMITER ;
```

```
 #   Time      Action                                                                                                                     Message
 6   20:37:51  CREATE DATABASE aolfinaldb                                                                                                 Error Code: 1007. Can't create data
 7   20:45:07  SELECT COUNT(*) FROM OrderedItem LIMIT 0, 1000                                                                             1 row(s) returned
 8   20:45:23  SELECT COUNT(*) FROM customers LIMIT 0, 1000                                                                               1 row(s) returned
 9   20:45:24  SELECT COUNT(*) FROM customers LIMIT 0, 1000                                                                               1 row(s) returned
10   21:10:25  CREATE TRIGGER CustomerOrder AFTER INSERT ON OrderedItem FOR EACH ROW BEGIN    UPDATE Item    SET StockQuantity = StockQuantity - NEW.Qua...  0 row(s) affected
11   21:13:03  CREATE TRIGGER CustomerReturn AFTER UPDATE ON OrderedItem FOR EACH ROW BEGIN    DECLARE diff INT;    SET diff = OLD.Quantity - NEW.Quan...  0 row(s) affected
```

Stored Procedure

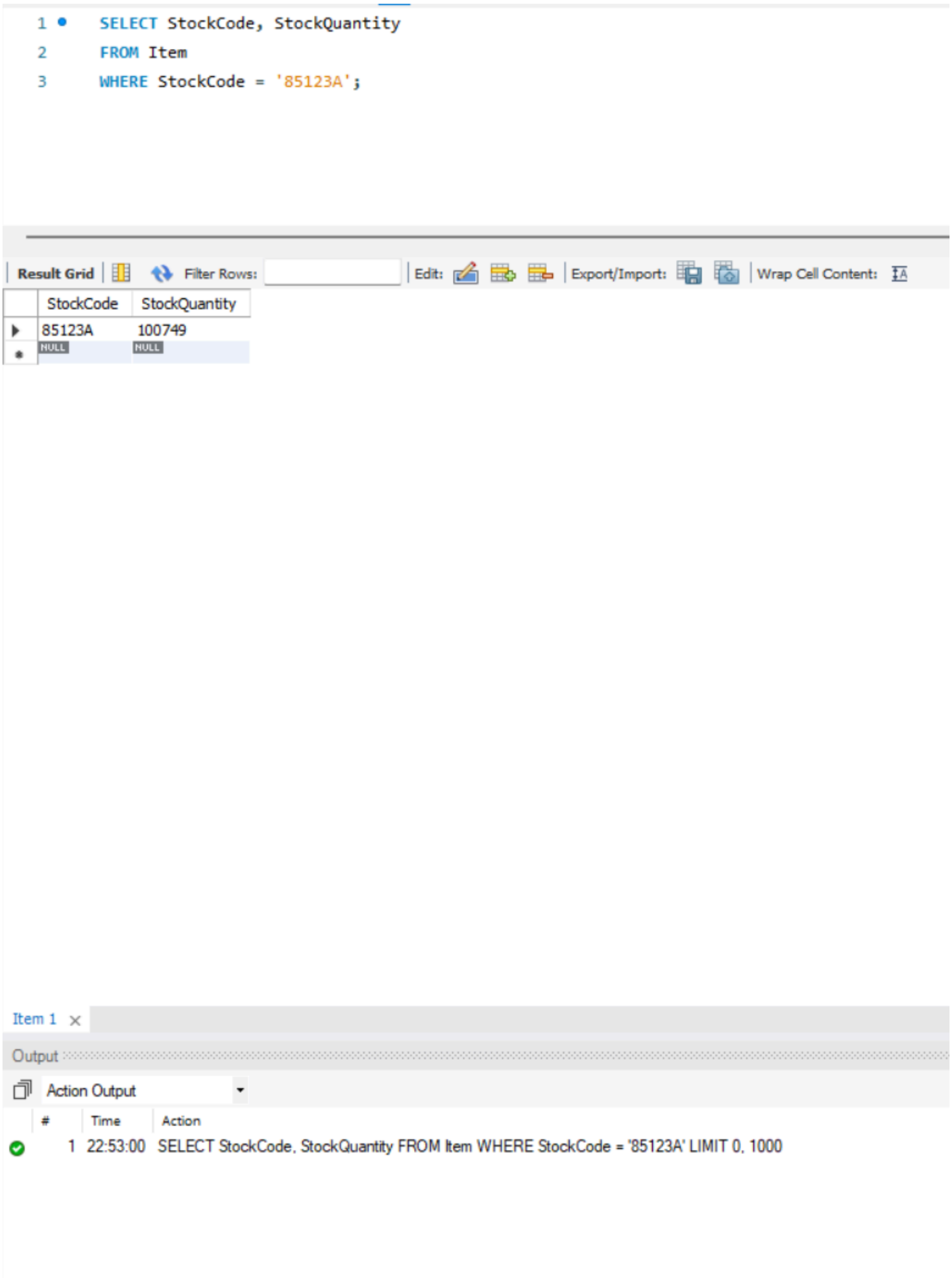
Create a stored procedure named GetCustomerInvoiceHistory that accepts a CustomerID as input and returns a complete list of all invoices (including the date and total value) belonging to that customer.



```sql
DELIMITER $$

CREATE PROCEDURE GetCustomerInvoiceHistory
    (IN CustomerID VARCHAR(10))
BEGIN
    SELECT
        inv.InvoiceID,
        inv.InvoiceDate,
        SUM(oi.Quantity * it.StockPrice) AS TotalValue
    FROM Invoice AS inv
    JOIN OrderedItem AS oi ON inv.InvoiceID = oi.InvoiceID
    JOIN Item AS it ON oi.StockCode = it.StockCode
    WHERE inv.CustomerID = CustomerID
    GROUP BY inv.InvoiceID, inv.InvoiceDate
    ORDER BY inv.InvoiceDate DESC;
END $$

DELIMITER ;
```

	#	Time	Action	Message
✓	12	23:53:20	SHOW PROCEDURE STATUS WHERE Db = DATABASE()	1 row(s) returned
✗	13	23:54:13	CALL GetCustomerInvoiceHistory('13085.0')	Error Code: 1054. Unknown column 'i.StockPrice' in 'field list'
✓	14	23:56:38	DROP PROCEDURE GetCustomerInvoiceHistory	0 row(s) affected
✓	15	23:56:55	SHOW PROCEDURE STATUS	26 row(s) returned
✓	16	23:57:05	SHOW PROCEDURE STATUS WHERE Db = DATABASE()	0 row(s) returned
✓	17	23:58:09	CREATE PROCEDURE GetCustomerInvoiceHistory (IN CustomerID VARCHAR(10)) BEGIN SELECT inv.InvoiceID, inv.InvoiceDate, SUM(oi.Q...	0 row(s) affected

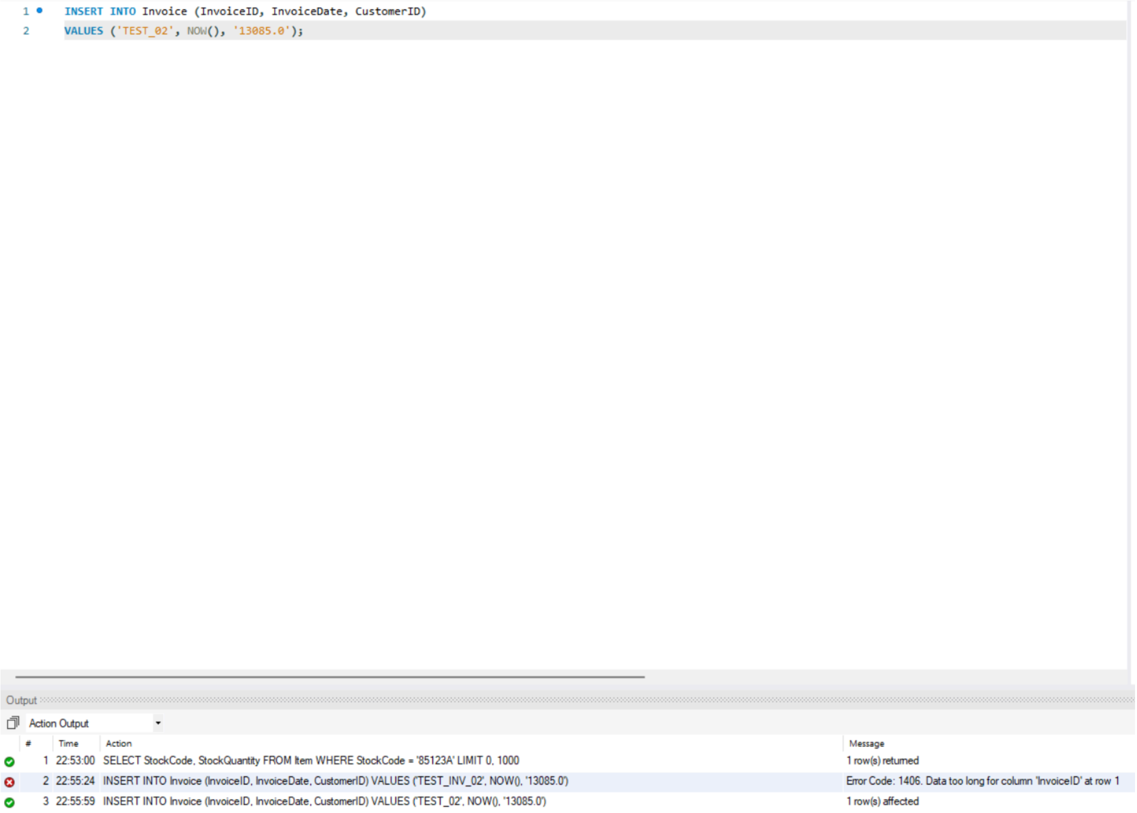
Test Trigger



```sql
SELECT StockCode, StockQuantity
FROM Item
WHERE StockCode = '85123A';
```

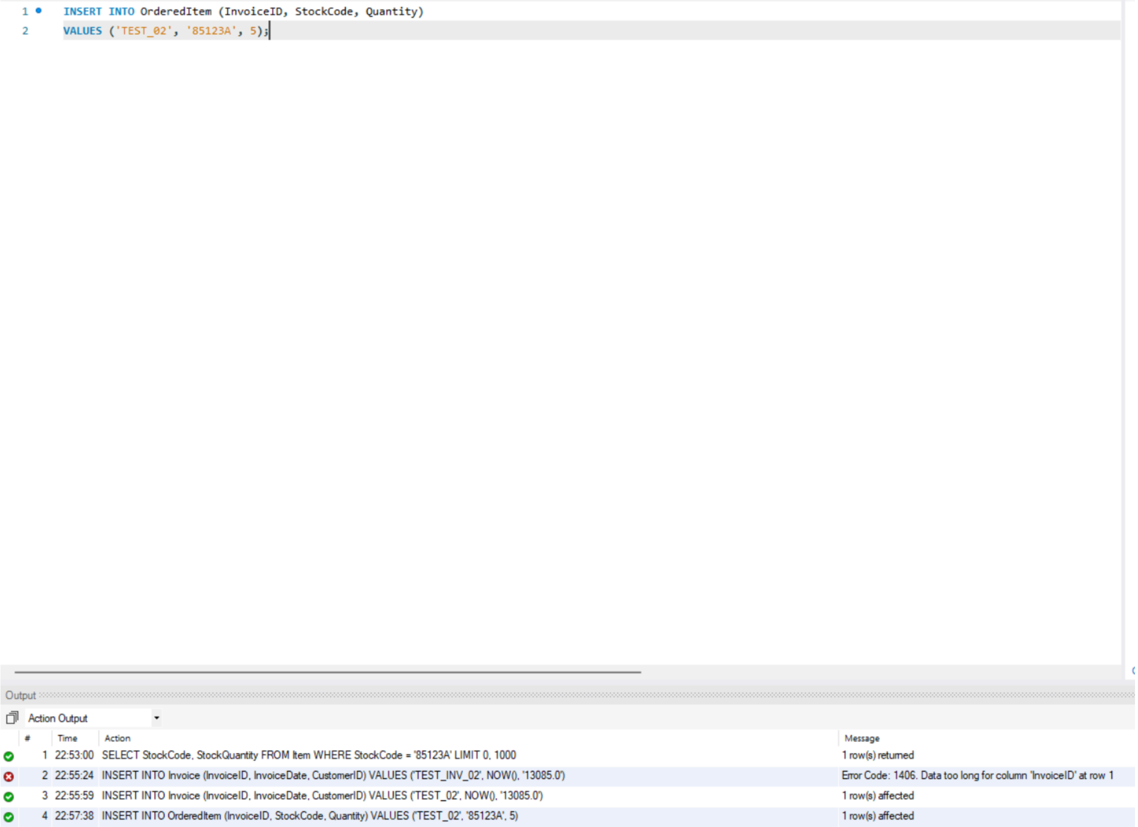
StockCode	StockQuantity
85123A	100749
NULL	NULL

```
#  Time      Action
1  22:53:00  SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000
```



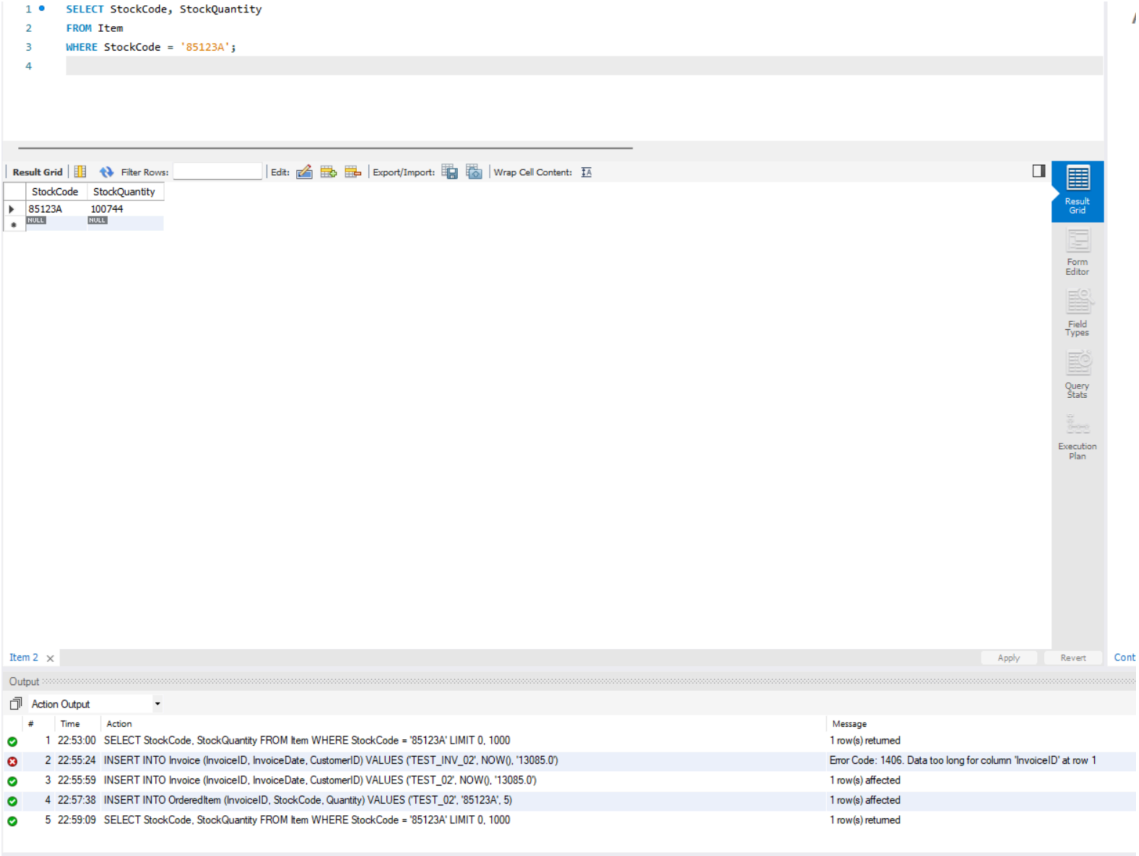
```sql
INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID)
VALUES ('TEST_02', NOW(), '13085.0');
```

	#	Time	Action	Message
✓	1	22:53:00	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned
✗	2	22:55:24	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_INV_02', NOW(), '13085.0')	Error Code: 1406. Data too long for column 'InvoiceID' at row 1
✓	3	22:55:59	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_02', NOW(), '13085.0')	1 row(s) affected



```sql
INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity)
VALUES ('TEST_02', '85123A', 5);
```

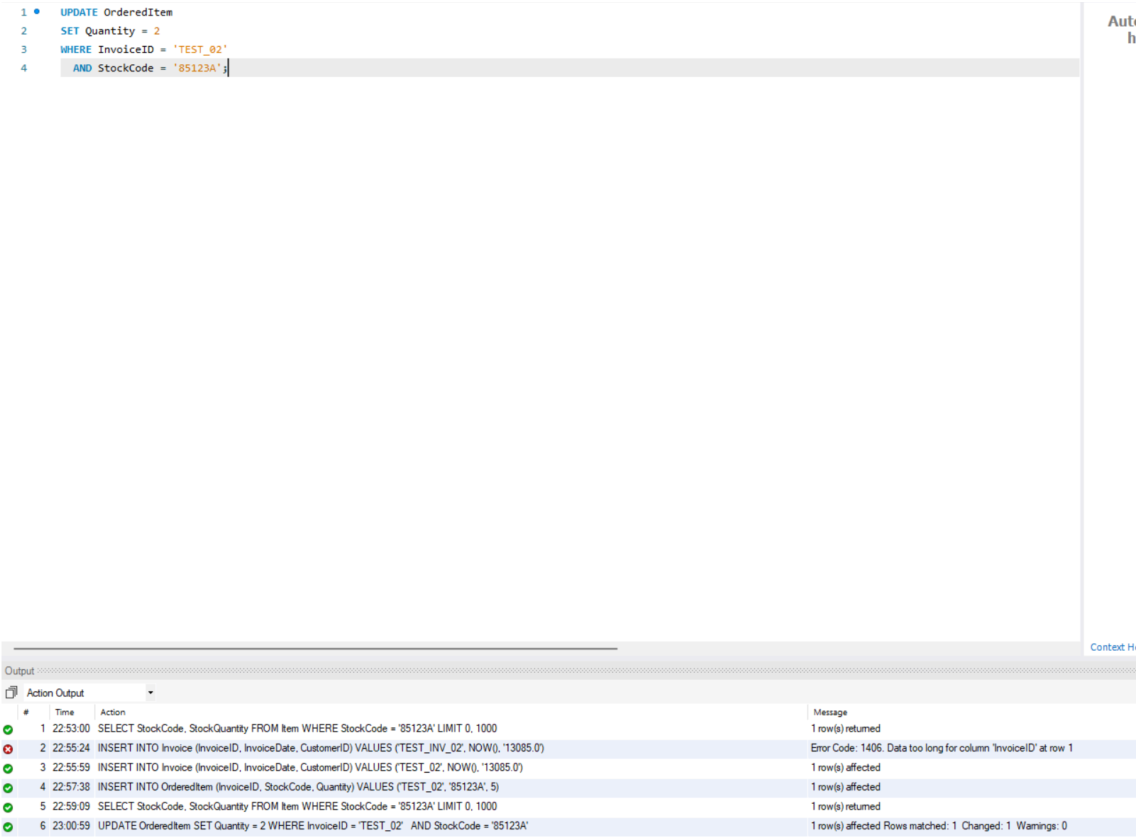
	#	Time	Action	Message
✓	1	22:53:00	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned
✗	2	22:55:24	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_INV_02', NOW(), '13085.0')	Error Code: 1406. Data too long for column 'InvoiceID' at row 1
✓	3	22:55:59	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_02', NOW(), '13085.0')	1 row(s) affected
✓	4	22:57:38	INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity) VALUES ('TEST_02', '85123A', 5)	1 row(s) affected



```sql
SELECT StockCode, StockQuantity
FROM Item
WHERE StockCode = '85123A';
```

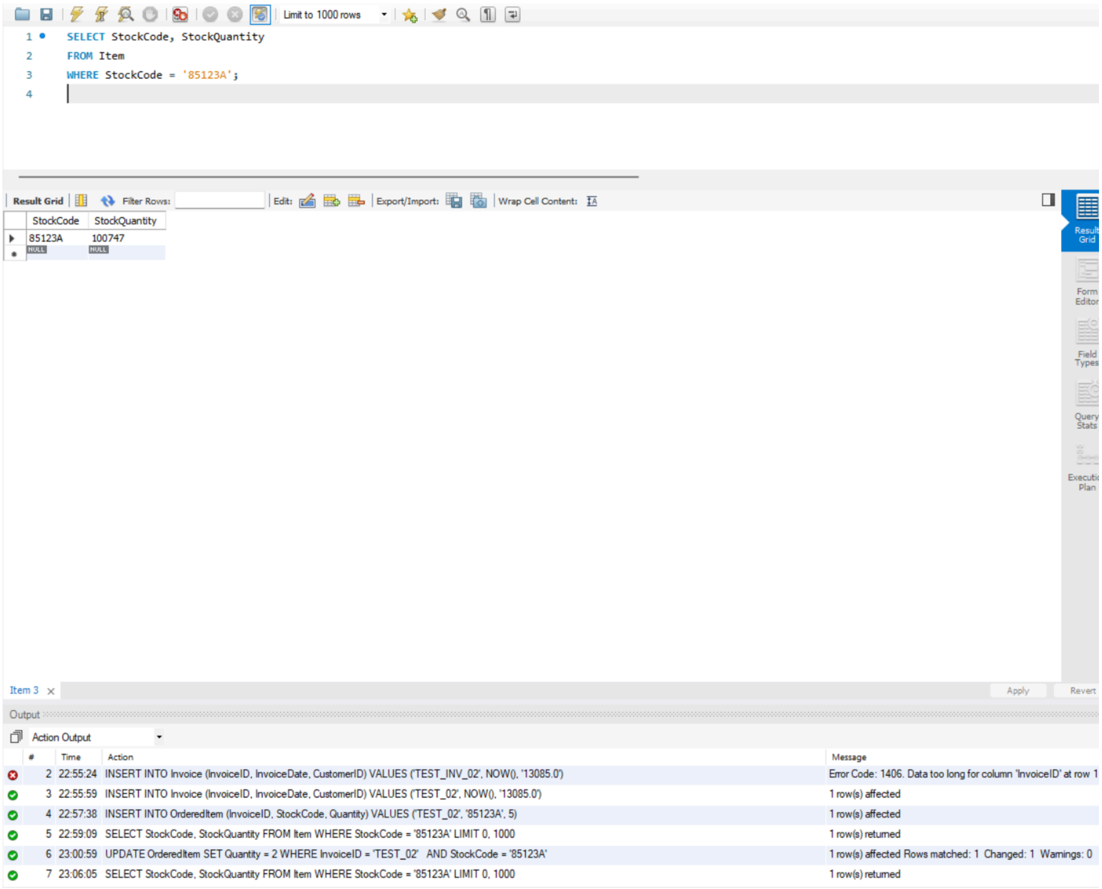
StockCode	StockQuantity
85123A	100744
NULL	NULL

	#	Time	Action	Message
✓	1	22:53:00	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned
☒	2	22:55:24	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_INV_02', NOW(), '13085.0')	Error Code: 1406. Data too long for column 'InvoiceID' at row 1
✓	3	22:55:59	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_02', NOW(), '13085.0')	1 row(s) affected
✓	4	22:57:38	INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity) VALUES ('TEST_02', '85123A', 5)	1 row(s) affected
✓	5	22:59:09	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned



```sql
UPDATE OrderedItem
SET Quantity = 2
WHERE InvoiceID = 'TEST_02'
  AND StockCode = '85123A';
```

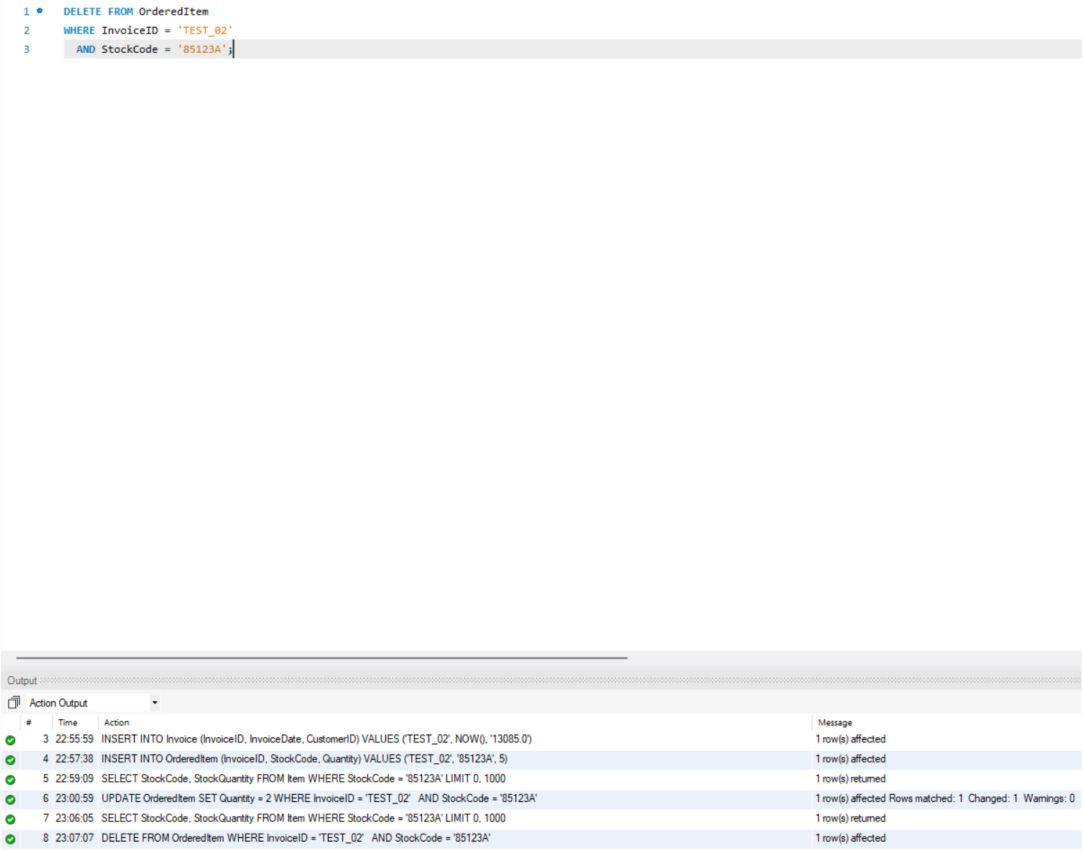
	#	Time	Action	Message
✓	1	22:53:00	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned
☒	2	22:55:24	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_INV_02', NOW(), '13085.0')	Error Code: 1406. Data too long for column 'InvoiceID' at row 1
✓	3	22:55:59	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_02', NOW(), '13085.0')	1 row(s) affected
✓	4	22:57:38	INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity) VALUES ('TEST_02', '85123A', 5)	1 row(s) affected
✓	5	22:59:09	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned
✓	6	23:00:59	UPDATE OrderedItem SET Quantity = 2 WHERE InvoiceID = 'TEST_02' AND StockCode = '85123A'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0



```sql
SELECT StockCode, StockQuantity
FROM Item
WHERE StockCode = '85123A';
```

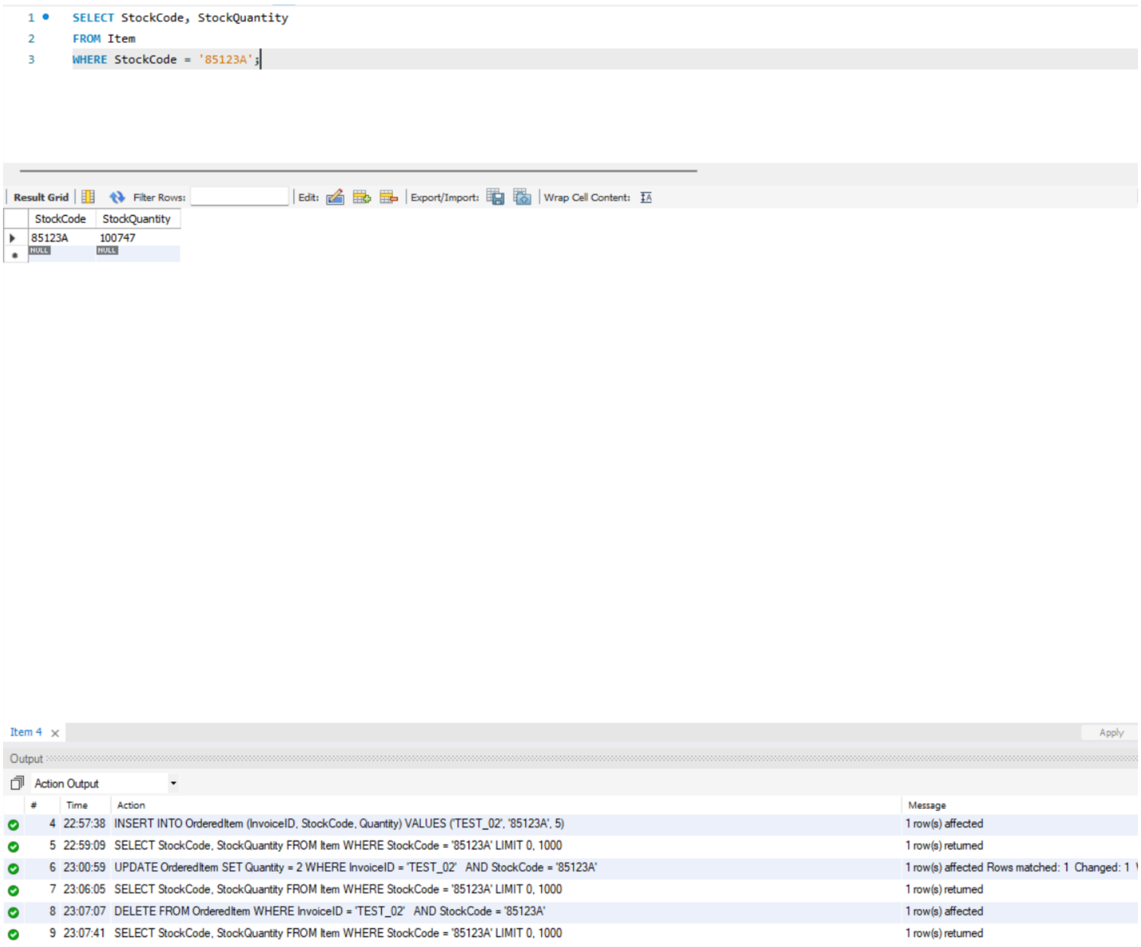
StockCode	StockQuantity
85123A	100747
NULL	NULL

	#	Time	Action	Message
✗	2	22:55:24	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_INV_02', NOW(), '13085.0')	Error Code: 1406. Data too long for column 'InvoiceID' at row 1
✓	3	22:55:59	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_02', NOW(), '13085.0')	1 row(s) affected
✓	4	22:57:38	INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity) VALUES ('TEST_02', '85123A', 5)	1 row(s) affected
✓	5	22:59:09	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned
✓	6	23:00:59	UPDATE OrderedItem SET Quantity = 2 WHERE InvoiceID = 'TEST_02' AND StockCode = '85123A'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
✓	7	23:06:05	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned



```sql
DELETE FROM OrderedItem
WHERE InvoiceID = 'TEST_02'
  AND StockCode = '85123A';
```

	#	Time	Action	Message
✓	3	22:55:59	INSERT INTO Invoice (InvoiceID, InvoiceDate, CustomerID) VALUES ('TEST_02', NOW(), '13085.0')	1 row(s) affected
✓	4	22:57:38	INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity) VALUES ('TEST_02', '85123A', 5)	1 row(s) affected
✓	5	22:59:09	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned
✓	6	23:00:59	UPDATE OrderedItem SET Quantity = 2 WHERE InvoiceID = 'TEST_02' AND StockCode = '85123A'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
✓	7	23:06:05	SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000	1 row(s) returned
✓	8	23:07:07	DELETE FROM OrderedItem WHERE InvoiceID = 'TEST_02' AND StockCode = '85123A'	1 row(s) affected

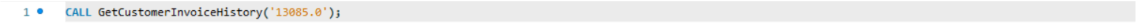


```
SELECT StockCode, StockQuantity
FROM Item
WHERE StockCode = '85123A';
```

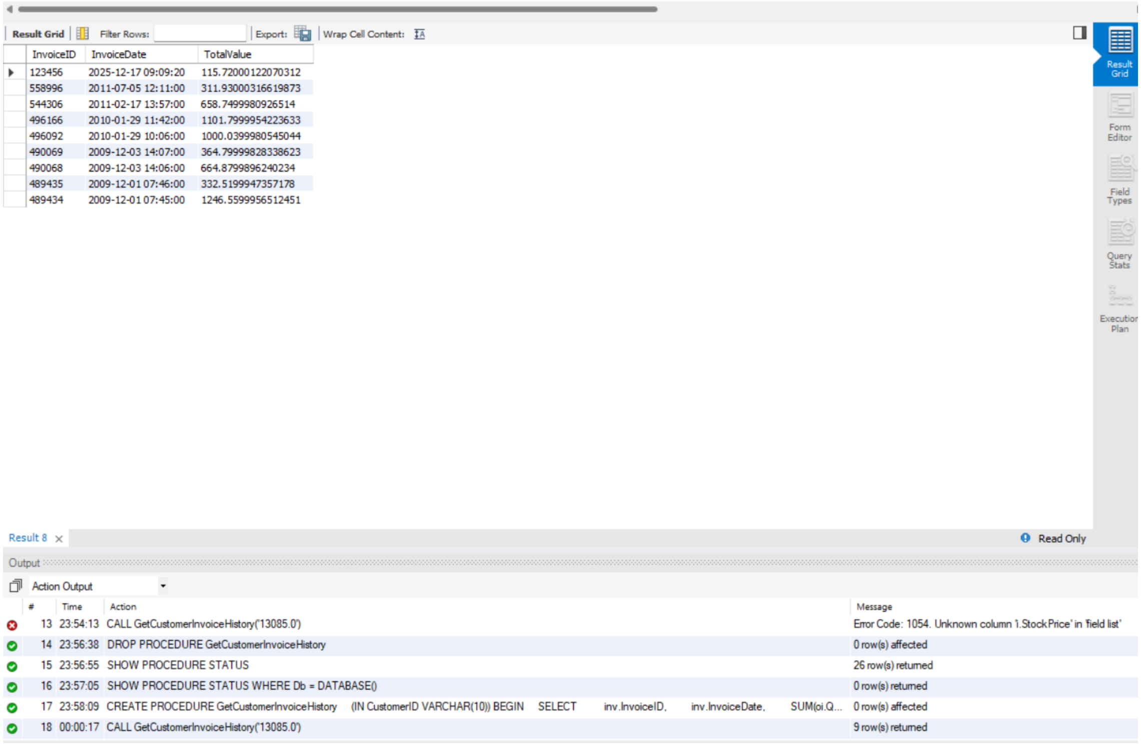
StockCode	StockQuantity
85123A	100747
NULL	NULL

```
#  Time      Action                                                                              Message
4  22:57:38  INSERT INTO OrderedItem (InvoiceID, StockCode, Quantity) VALUES ('TEST_02', '85123A', 5)  1 row(s) affected
5  22:59:09  SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000      1 row(s) returned
6  23:00:59  UPDATE OrderedItem SET Quantity = 2 WHERE InvoiceID = 'TEST_02'   AND StockCode = '85123A'  1 row(s) affected Rows matched: 1  Changed: 1
7  23:06:05  SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000      1 row(s) returned
8  23:07:07  DELETE FROM OrderedItem WHERE InvoiceID = 'TEST_02'   AND StockCode = '85123A'          1 row(s) affected
9  23:07:41  SELECT StockCode, StockQuantity FROM Item WHERE StockCode = '85123A' LIMIT 0, 1000      1 row(s) returned
```

Test Procedure

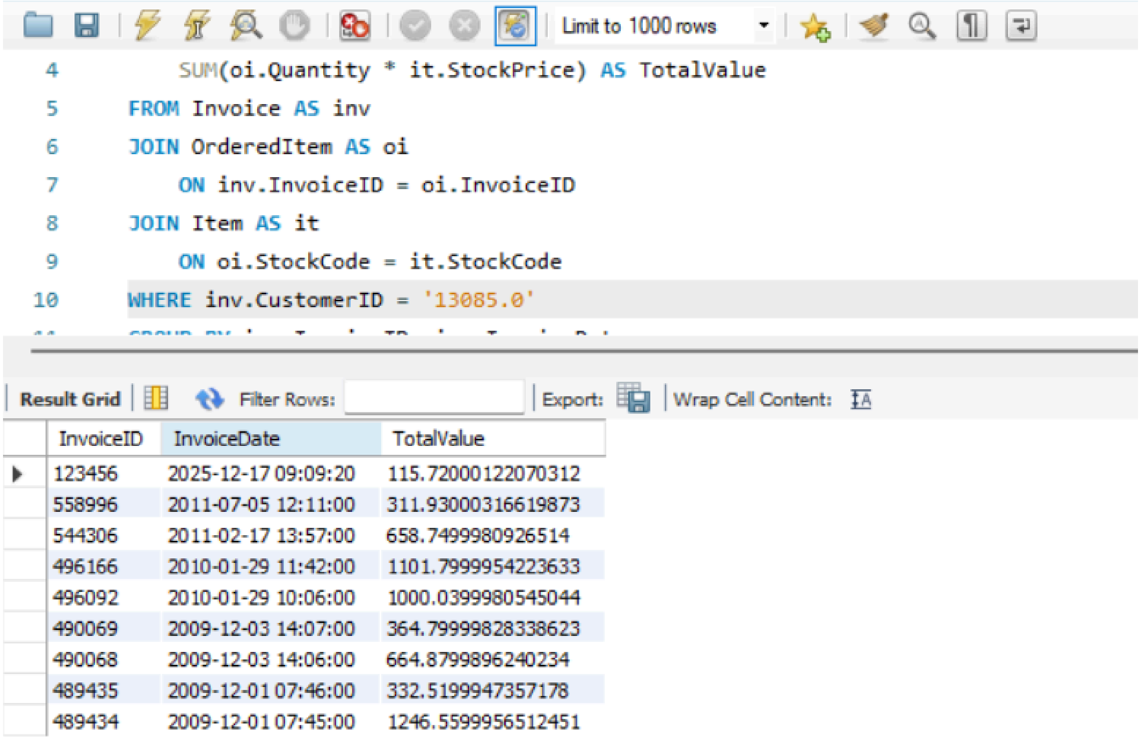


```sql
CALL GetCustomerInvoiceHistory('13085.0');
```



InvoiceID	InvoiceDate	TotalValue
123456	2025-12-17 09:09:20	115.72000122070312
558996	2011-07-05 12:11:00	311.93000316619873
544306	2011-02-17 13:57:00	658.7499980926514
496166	2010-01-29 11:42:00	1101.7999954223633
496092	2010-01-29 10:06:00	1000.0399980545044
490069	2009-12-03 14:07:00	364.79999828338623
490068	2009-12-03 14:06:00	664.8799896240234
489435	2009-12-01 07:46:00	332.5199947357178
489434	2009-12-01 07:45:00	1246.5599956512451

	#	Time	Action	Message
☒	13	23:54:13	CALL GetCustomerInvoiceHistory('13085.0')	Error Code: 1054. Unknown column 'i.StockPrice' in 'field list'
✓	14	23:56:38	DROP PROCEDURE GetCustomerInvoiceHistory	0 row(s) affected
✓	15	23:56:55	SHOW PROCEDURE STATUS	26 row(s) returned
✓	16	23:57:05	SHOW PROCEDURE STATUS WHERE Db = DATABASE()	0 row(s) returned
✓	17	23:58:09	CREATE PROCEDURE GetCustomerInvoiceHistory (IN CustomerID VARCHAR(10)) BEGIN SELECT inv.InvoiceID, inv.InvoiceDate, SUM(oi.Q...	0 row(s) affected
✓	18	00:00:17	CALL GetCustomerInvoiceHistory('13085.0')	9 row(s) returned



```
    SUM(oi.Quantity * it.StockPrice) AS TotalValue
FROM Invoice AS inv
JOIN OrderedItem AS oi
    ON inv.InvoiceID = oi.InvoiceID
JOIN Item AS it
    ON oi.StockCode = it.StockCode
WHERE inv.CustomerID = '13085.0'
```

InvoiceID	InvoiceDate	TotalValue
123456	2025-12-17 09:09:20	115.72000122070312
558996	2011-07-05 12:11:00	311.93000316619873
544306	2011-02-17 13:57:00	658.7499980926514
496166	2010-01-29 11:42:00	1101.7999954223633
496092	2010-01-29 10:06:00	1000.0399980545044
490069	2009-12-03 14:07:00	364.79999828338623
490068	2009-12-03 14:06:00	664.8799896240234
489435	2009-12-01 07:46:00	332.5199947357178
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