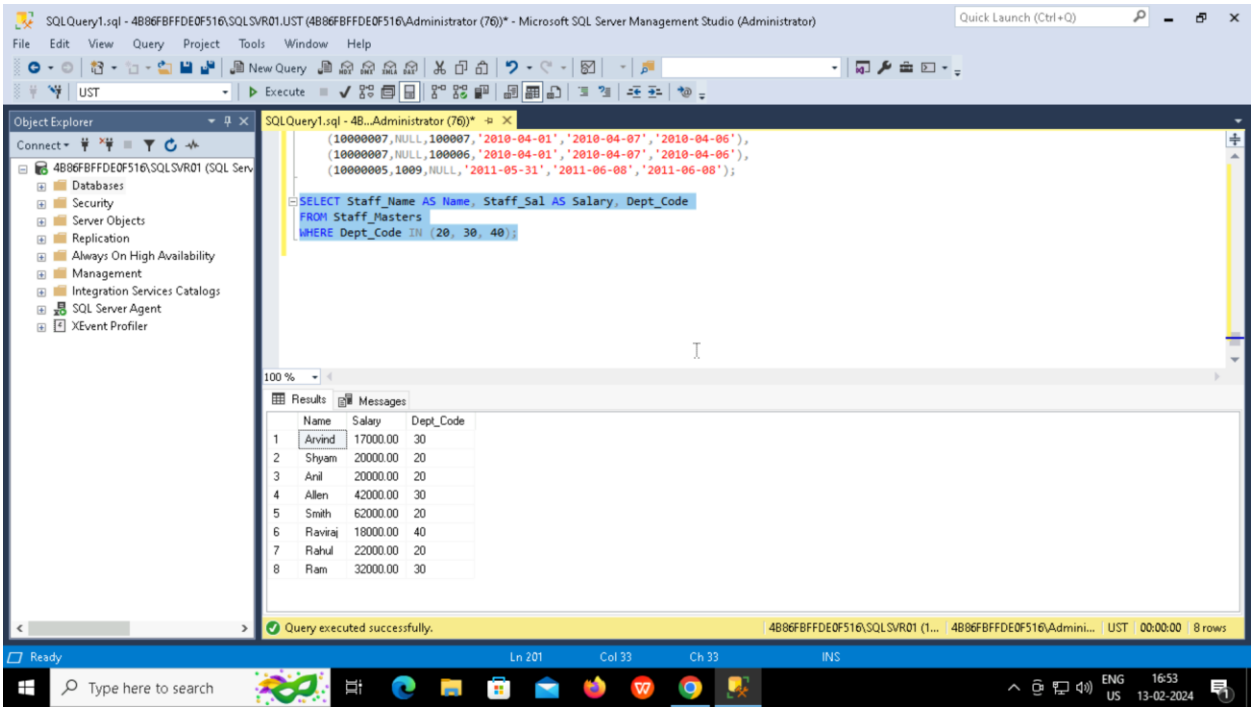
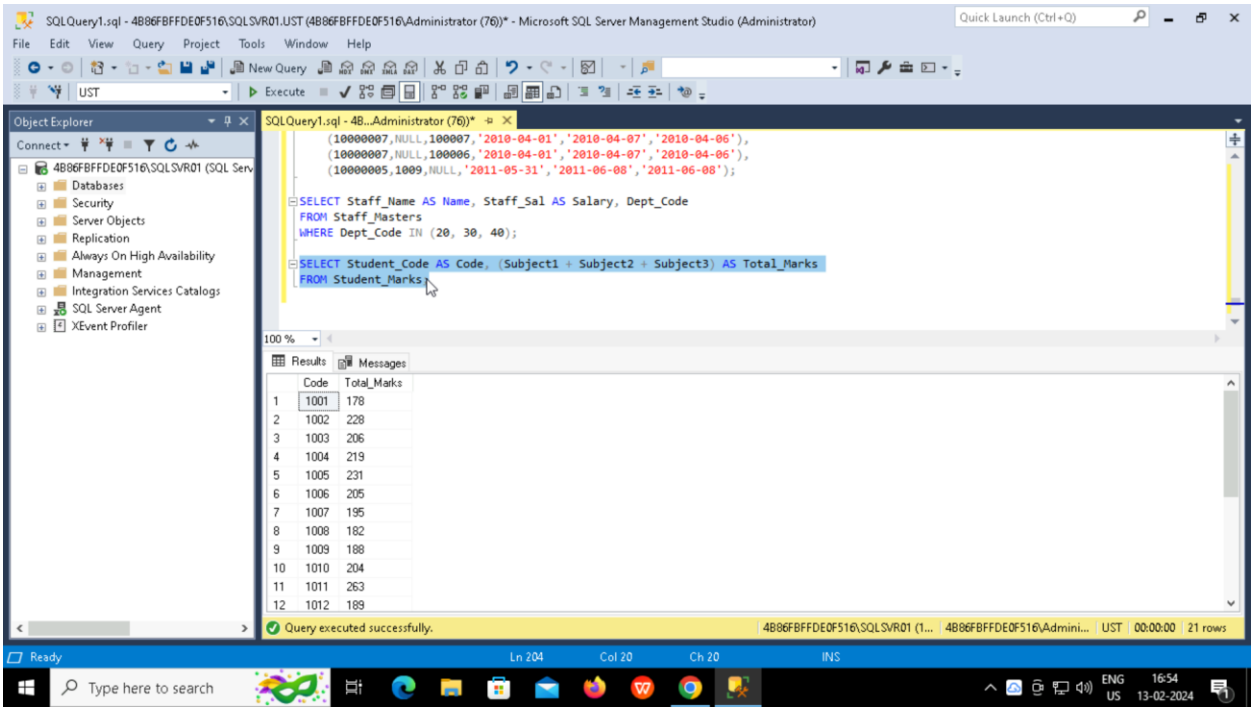
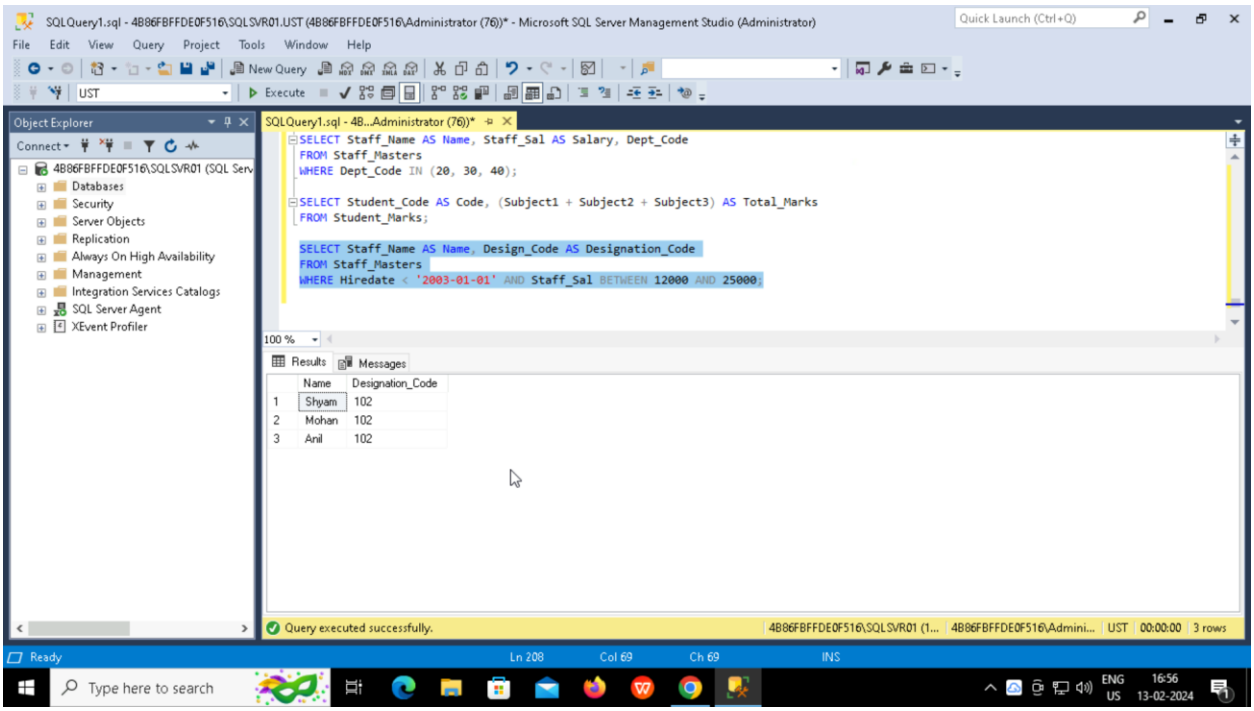
SQL Server Assignment






SQLQuery1.sql - 4B86FBFFDE0F516\SQLSVR01.UST (4B86FBFFDE0F516\Administrator (76))* - Microsoft SQL Server Management Studio (Administrator)
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Server Objects
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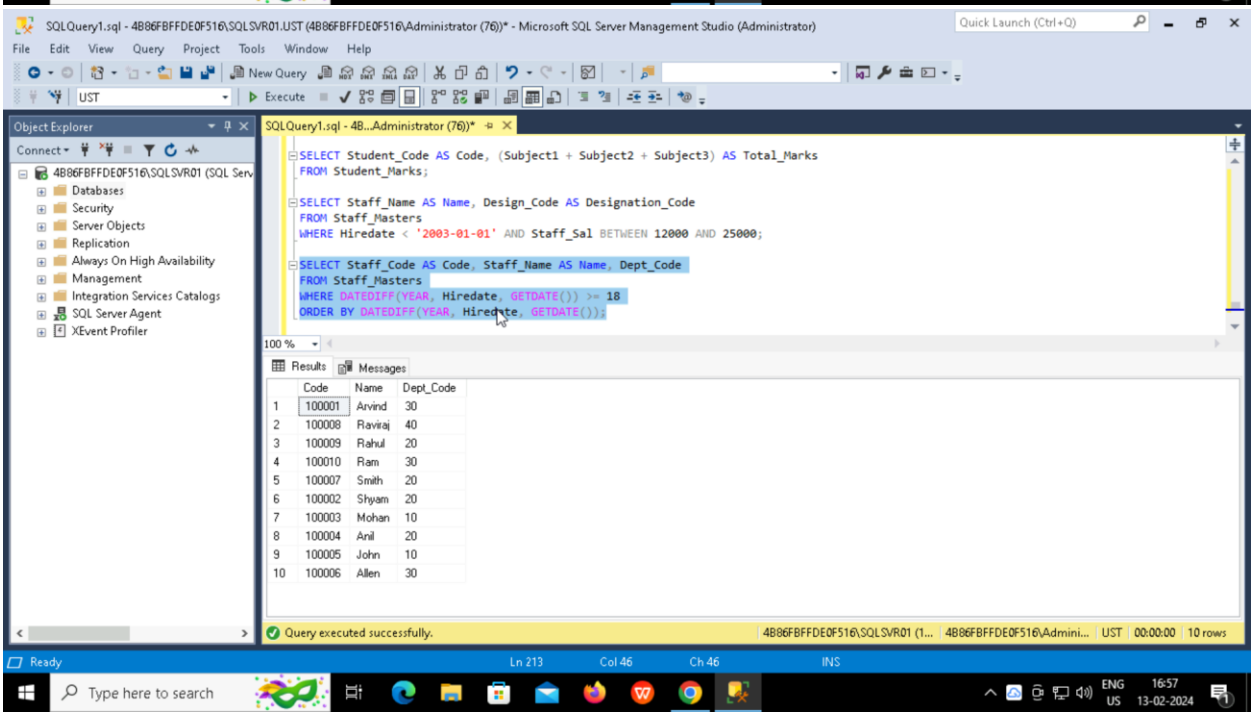
Management
Integration Services Catalogs
SQL Server Agent
XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
SELECT Staff_Name AS Name, Staff_Sal AS Salary, Dept_Code
FROM Staff_Masters
WHERE Dept_Code IN (20, 30, 40);
SELECT Student_Code AS Code, (Subject1 + Subject2 + Subject3) AS Total_Marks
FROM Student_Marks;
SELECT Staff_Name AS Name, Design_Code AS Designation_Code
FROM Staff_Masters
WHERE Hiredate < '2003-01-01' AND Staff_Sal BETWEEN 12000 AND 25000;
100 %
Results
Messages
Name Designation_Code
1 Shyam 102
2 Mohan 102
3 Anil 102
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1... 4B86FBFFDE0F516\Admini... UST 00:00:00 3 rows
Ready
Ln 208 Col 69 Ch 69 INS
Type here to search
ENG US
16:56
13-02-2024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Always On High Availability
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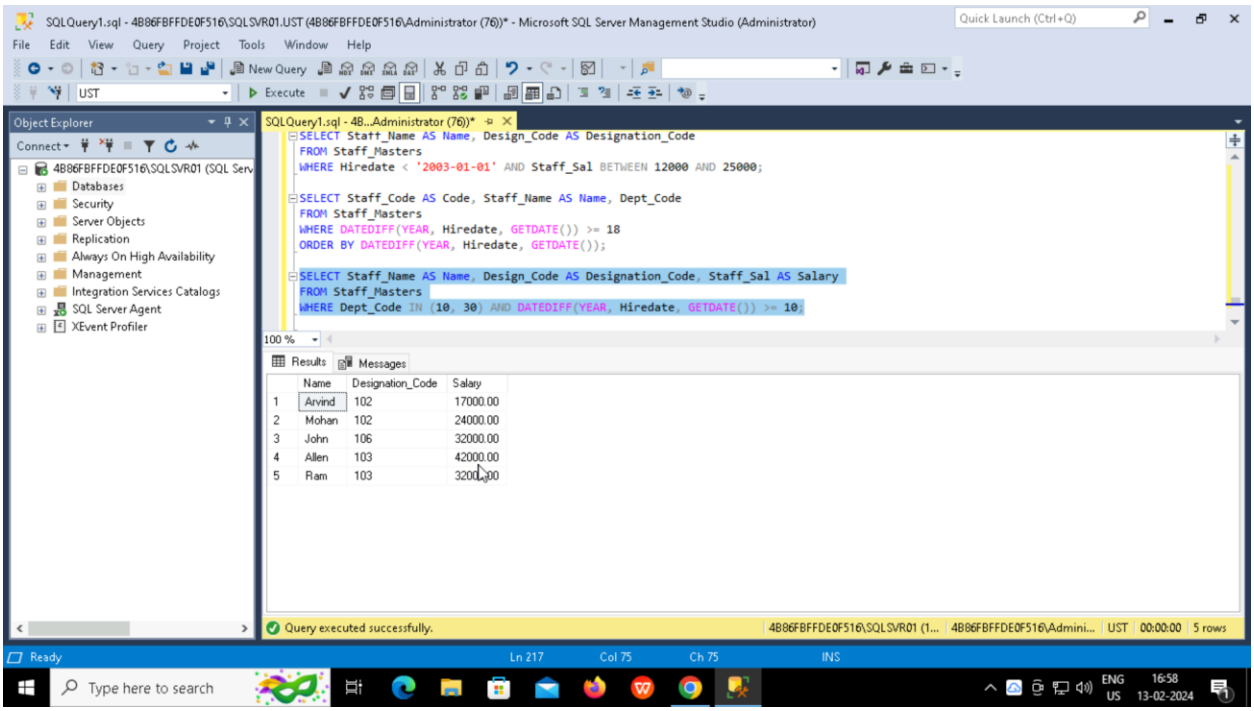
SQL Server Agent
XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
SELECT Student_Code AS Code, (Subject1 + Subject2 + Subject3) AS Total_Marks
FROM Student_Marks;
SELECT Staff_Name AS Name, Design_Code AS Designation_Code
FROM Staff_Masters
WHERE Hiredate < '2003-01-01' AND Staff_Sal BETWEEN 12000 AND 25000;
SELECT Staff_Code AS Code, Staff_Name AS Name, Dept_Code
FROM Staff_Masters
WHERE DATEDIFF(YEAR, Hiredate, GETDATE()) >= 18
ORDER BY DATEDIFF(YEAR, Hiredate, GETDATE());
100 %
Results
Messages
Code Name Dept_Code
1 100001 Arvind 30
2 100008 Raviraj 40
3 100009 Rahul 20
4 100010 Ram 30
5 100007 Smith 20
6 100002 Shyam 20
7 100003 Mohan 10
8 100004 Anil 20
9 100005 John 10
10 100006 Allen 30
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1... 4B86FBFFDE0F516\Admini... UST 00:00:00 10 rows
Ready
Ln 213 Col 46 Ch 46 INS
Type here to search
ENG US
16:57
13-02-2024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SQLQuery1.sql - 4B...Administrator (76))*
SELECT Staff_Name AS Name, Design_Code AS Designation_Code
FROM Staff_Masters
WHERE Hiredate < '2003-01-01' AND Staff_Sal BETWEEN 12000 AND 25000;
SELECT Staff_Code AS Code, Staff_Name AS Name, Dept_Code
FROM Staff_Masters
WHERE DATEDIFF(YEAR, Hiredate, GETDATE()) >= 18
ORDER BY DATEDIFF(YEAR, Hiredate, GETDATE());
SELECT Staff_Name AS Name, Design_Code AS Designation_Code, Staff_Sal AS Salary
FROM Staff_Masters
WHERE Dept_Code IN (10, 30) AND DATEDIFF(YEAR, Hiredate, GETDATE()) >= 10;
100 %
Results
Messages
Name Designation_Code Salary
1 Arvind 102 17000.00
2 Mohan 102 24000.00
3 John 106 32000.00
4 Allen 103 42000.00
5 Ram 103 32000.00
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1... 4B86FBFFDE0F516\Admini... UST 00:00:00 5 rows
Ready
Ln 217 Col 75 Ch 75 INS
Type here to search
ENG US
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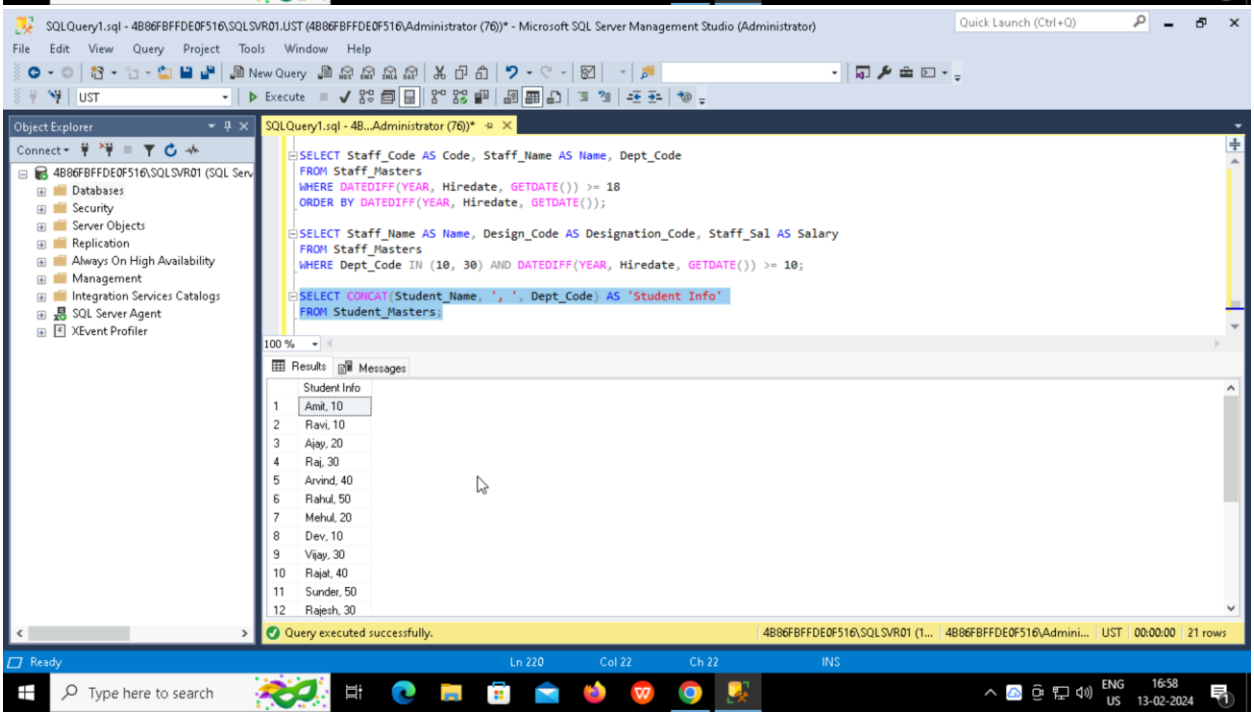
13-02-2024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Integration Services Catalogs
SQL Server Agent
XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
SELECT Staff_Code AS Code, Staff_Name AS Name, Dept_Code
FROM Staff_Masters
WHERE DATEDIFF(YEAR, Hiredate, GETDATE()) >= 18
ORDER BY DATEDIFF(YEAR, Hiredate, GETDATE());
SELECT Staff_Name AS Name, Design_Code AS Designation_Code, Staff_Sal AS Salary
FROM Staff_Masters
WHERE Dept_Code IN (10, 30) AND DATEDIFF(YEAR, Hiredate, GETDATE()) >= 10;
SELECT CONCAT(Student_Name, ', ', Dept_Code) AS 'Student Info'
FROM Student_Masters;
100 %
Results
Messages
Student Info
1 Amit, 10
2 Ravi, 10
3 Ajay, 20
4 Raj, 30
5 Arvind, 40
6 Rahul, 50
7 Mehul, 20
8 Dev, 10
9 Vijay, 30
10 Rajat, 40
11 Sunder, 50
12 Rajesh, 30
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1... 4B86FBFFDE0F516\Admini... UST 00:00:00 21 rows
Ready
Ln 220 Col 22 Ch 22 INS
Type here to search
ENG US
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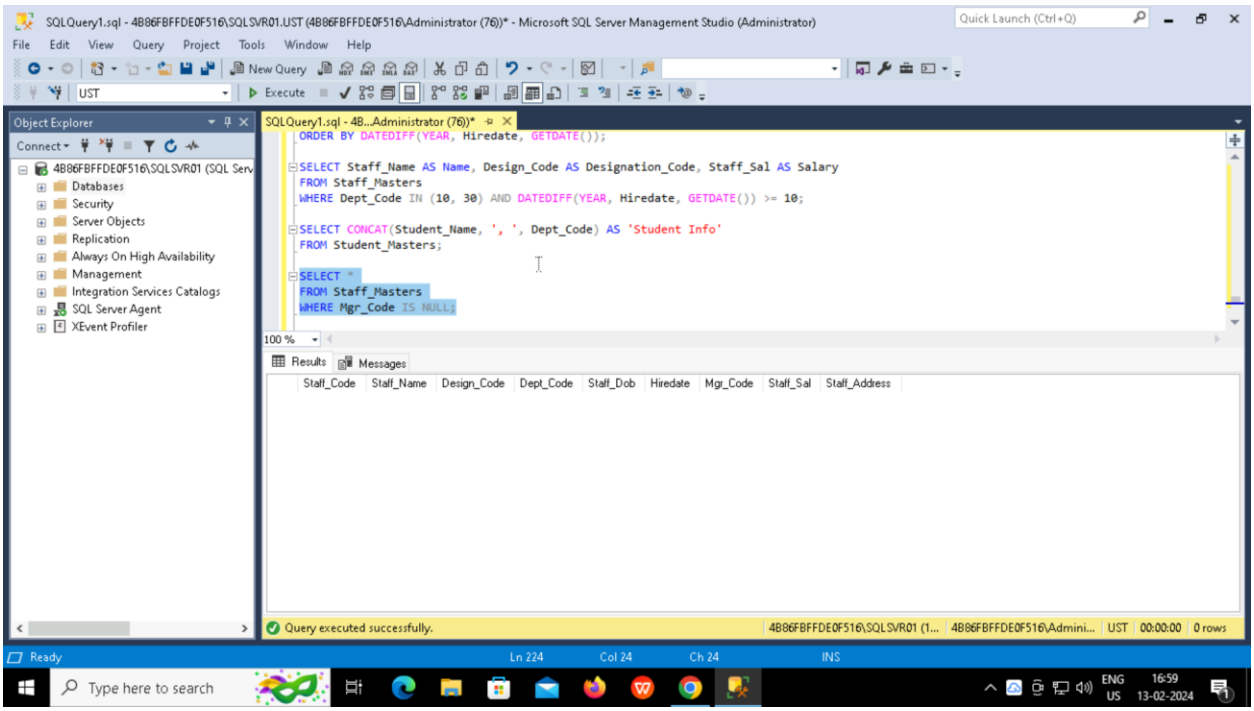
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SQLQuery1.sql - 4B...Administrator (76))*
ORDER BY DATEDIFF(YEAR, Hiredate, GETDATE());
SELECT Staff_Name AS Name, Design_Code AS Designation_Code, Staff_Sal AS Salary
FROM Staff_Masters
WHERE Dept_Code IN (10, 30) AND DATEDIFF(YEAR, Hiredate, GETDATE()) >= 10;
SELECT CONCAT(Student_Name, ', ', Dept_Code) AS 'Student Info'
FROM Student_Masters;
SELECT *
FROM Staff_Masters
WHERE Mgr_Code IS NULL;
100 %
Results
Messages
Staff_Code Staff_Name Design_Code Dept_Code Staff_Dob Hiredate Mgr_Code Staff_Sal Staff_Address
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
0 rows
Ready
Ln 224
Col 24
Ch 24
INS
Type here to search
ENG
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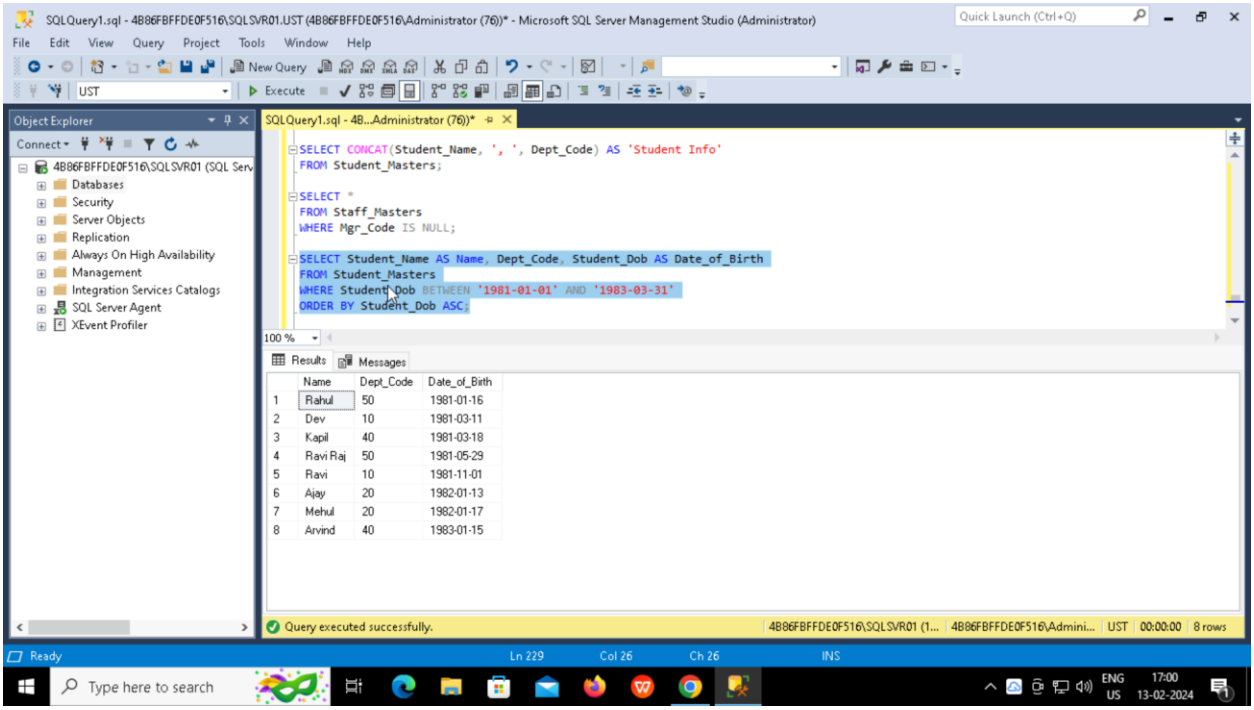
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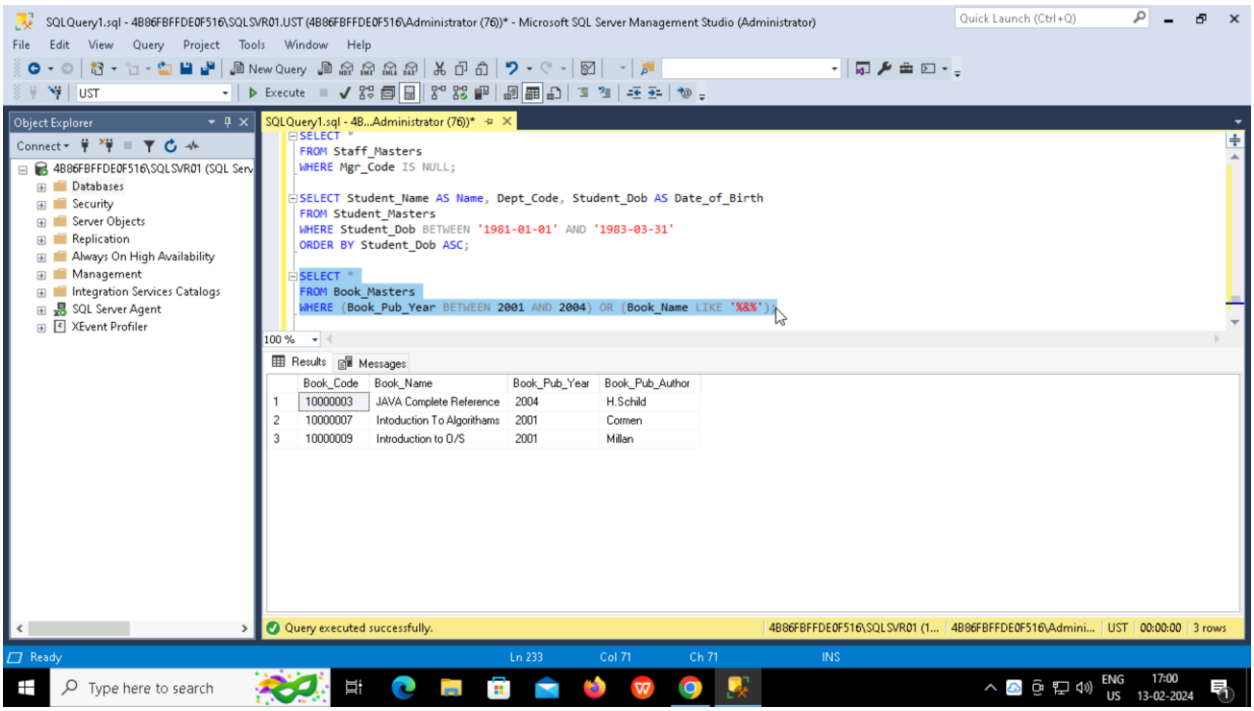
SQLQuery1.sql - 4B...Administrator (76))*
SELECT CONCAT(Student_Name, ', ', Dept_Code) AS 'Student Info'
FROM Student_Masters;
SELECT *
FROM Staff_Masters
WHERE Mgr_Code IS NULL;
SELECT Student_Name AS Name, Dept_Code, Student_Dob AS Date_of_Birth
FROM Student_Masters
WHERE Student_Dob BETWEEN '1981-01-01' AND '1983-03-31'
ORDER BY Student_Dob ASC;
100 %
Results
Messages
Name Dept_Code Date_of_Birth
1 Rahul 50 1981-01-16
2 Dev 10 1981-03-11
3 Kapil 40 1981-03-18
4 Ravi Raj 50 1981-05-29
5 Ravi 10 1981-11-01
6 Ajay 20 1982-01-13
7 Mehul 20 1982-01-17
8 Arvind 40 1983-01-15
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
8 rows
Ready
Ln 229
Col 26
Ch 26
INS
Type here to search
ENG
US
17:00
13-02-2024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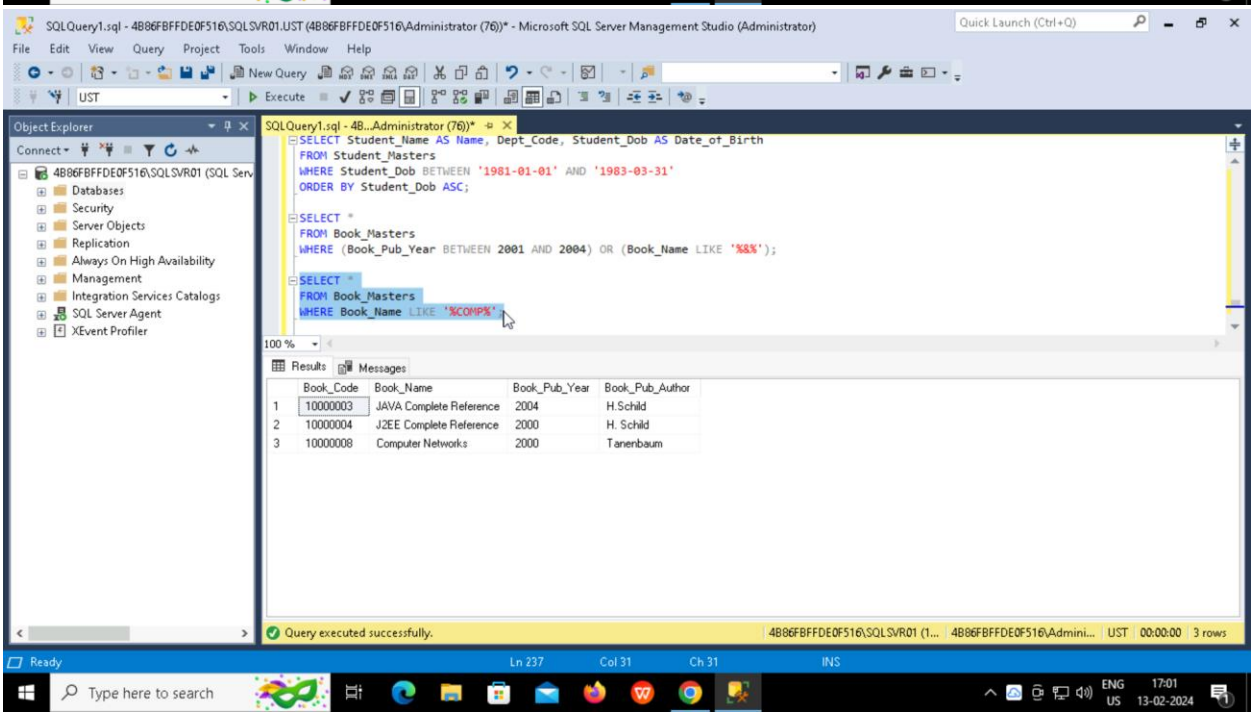
SQL Server Agent
XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
SELECT *
FROM Staff_Masters
WHERE Mgr_Code IS NULL;
SELECT Student_Name AS Name, Dept_Code, Student_Dob AS Date_of_Birth
FROM Student_Masters
WHERE Student_Dob BETWEEN '1981-01-01' AND '1983-03-31'
ORDER BY Student_Dob ASC;
SELECT *
FROM Book_Masters
WHERE (Book_Pub_Year BETWEEN 2001 AND 2004) OR (Book_Name LIKE '%%%');
100 %
Results
Messages
Book_Code Book_Name Book_Pub_Year Book_Pub_Author
1 10000003 JAVA Complete Reference 2004 H.Schild
2 10000007 Introduction To Algorithams 2001 Cormen
3 10000009 Introduction to O/S 2001 Millan
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
3 rows
Ready
Ln 233
Col 71
Ch 71
INS
Type here to search
ENG
US
17:00
13-02-2024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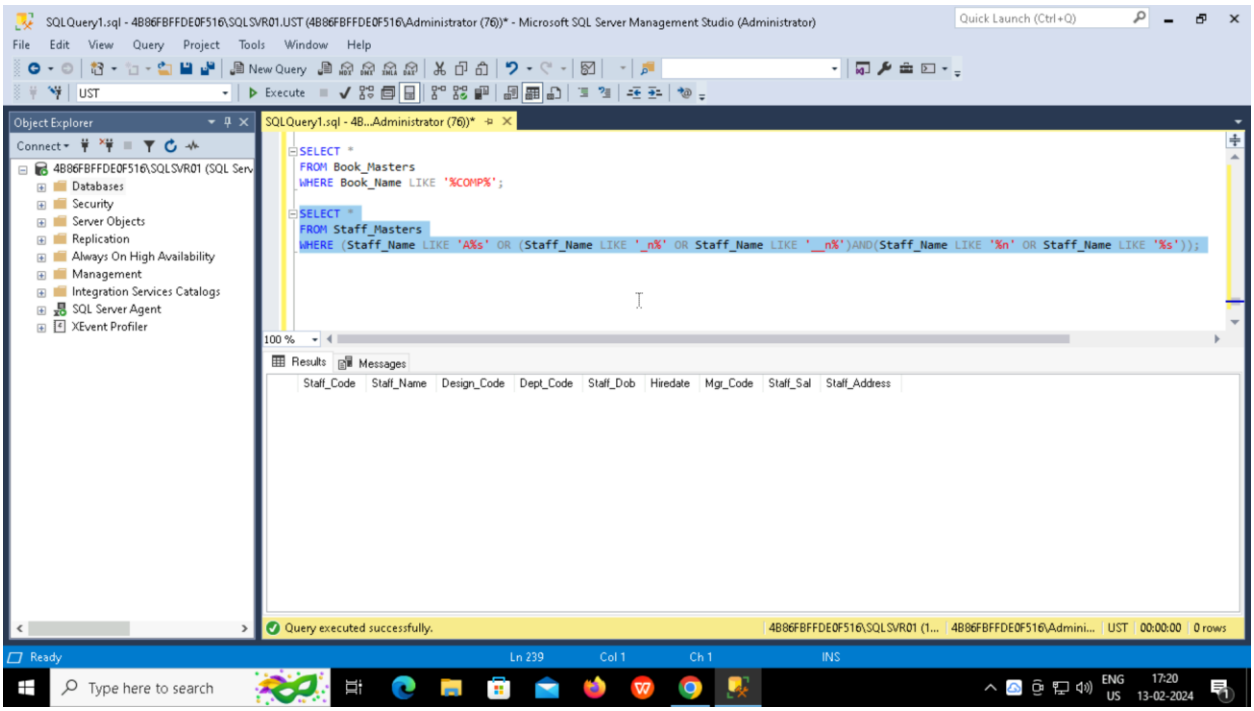
SQLQuery1.sql - 4B...Administrator (76))*
SELECT Student_Name AS Name, Dept_Code, Student_Dob AS Date_of_Birth
FROM Student_Masters
WHERE Student_Dob BETWEEN '1981-01-01' AND '1983-03-31'
ORDER BY Student_Dob ASC;
SELECT *
FROM Book_Masters
WHERE (Book_Pub_Year BETWEEN 2001 AND 2004) OR (Book_Name LIKE '%%%');
SELECT *
FROM Book_Masters
WHERE Book_Name LIKE '%COMP%';
100 %
Results
Messages
Book_Code Book_Name Book_Pub_Year Book_Pub_Author
1 10000003 JAVA Complete Reference 2004 H.Schild
2 10000004 J2EE Complete Reference 2000 H. Schild
3 10000008 Computer Networks 2000 Tanenbaum
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
3 rows
Ready
Ln 237
Col 31
Ch 31
INS
Type here to search
ENG
US
17:01
13-02-2024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SQL Server Agent
XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
SELECT *
FROM Book_Masters
WHERE Book_Name LIKE '%COMP%';
SELECT *
FROM Staff_Masters
WHERE (Staff_Name LIKE 'A%s' OR (Staff_Name LIKE '_n%' OR Staff_Name LIKE '__n%')AND(Staff_Name LIKE '%n' OR Staff_Name LIKE '%s'));
100 %
Results
Messages
Staff_Code Staff_Name Design_Code Dept_Code Staff_Dob Hiredate Mgr_Code Staff_Sal Staff_Address
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
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0 rows
Ready
Ln 239
Col 1
Ch 1
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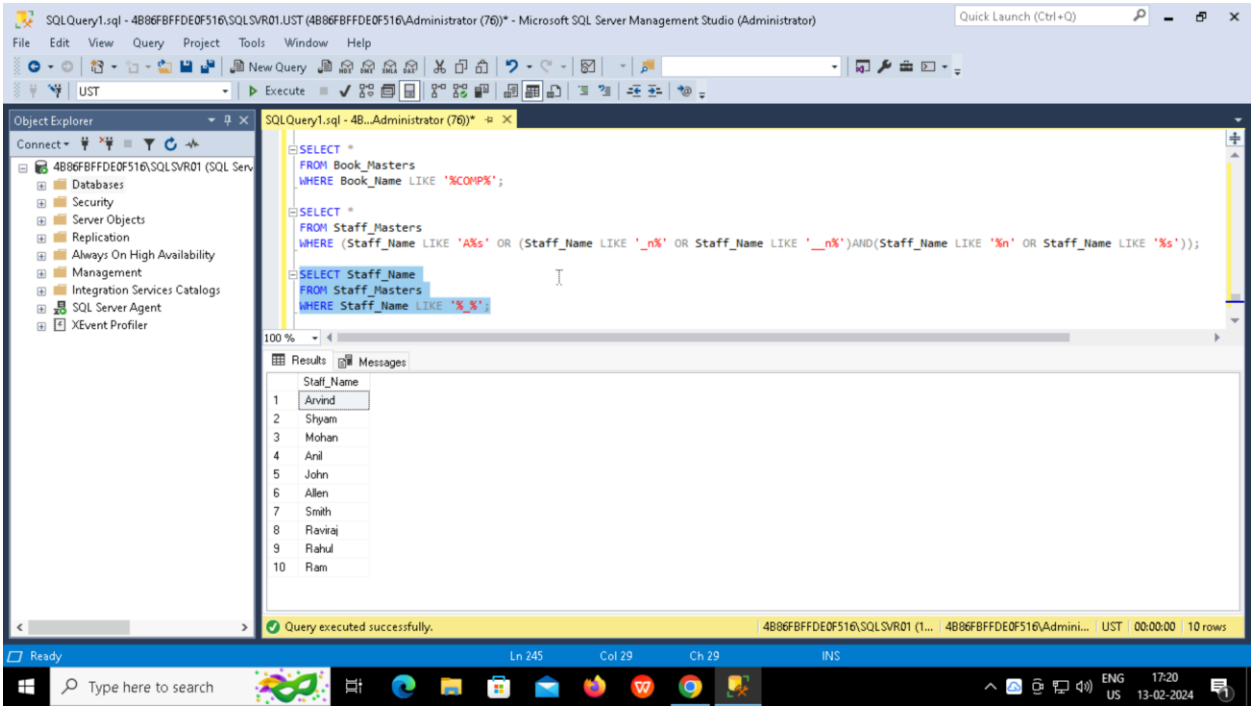
13-02-2024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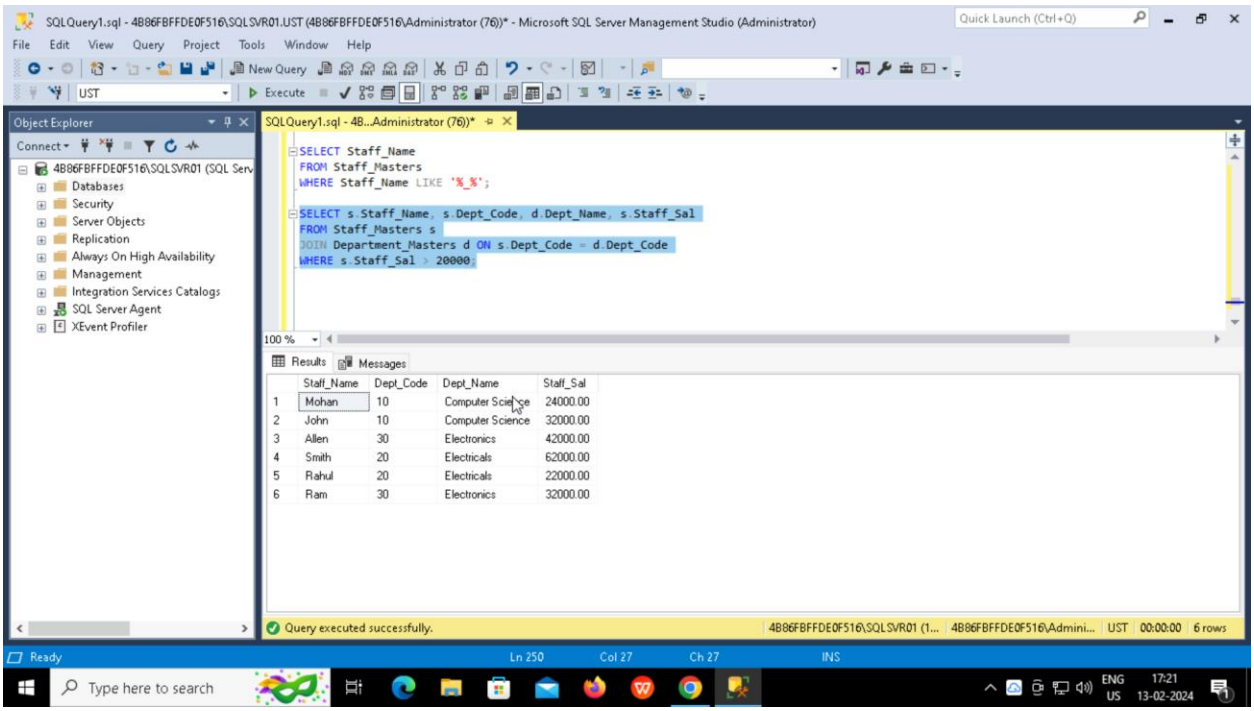
XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
SELECT *
FROM Book_Masters
WHERE Book_Name LIKE '%COMP%';
SELECT *
FROM Staff_Masters
WHERE (Staff_Name LIKE 'A%s' OR (Staff_Name LIKE '_n%' OR Staff_Name LIKE '__n%')AND(Staff_Name LIKE '%n' OR Staff_Name LIKE '%s'));
SELECT Staff_Name
FROM Staff_Masters
WHERE Staff_Name LIKE '%_%';
100 %
Results
Messages
Staff_Name
1 Arvind
2 Shyam
3 Mohan
4 Anil
5 John
6 Allen
7 Smith
8 Raviraj
9 Rahul
10 Ram
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
10 rows
Ready
Ln 245
Col 29
Ch 29
INS
Type here to search
ENG
US
17:20
13-02-2024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SQLQuery1.sql - 4B...Administrator (76))*
SELECT Staff_Name
FROM Staff_Masters
WHERE Staff_Name LIKE '%_%';
SELECT s.Staff_Name, s.Dept_Code, d.Dept_Name, s.Staff_Sal
FROM Staff_Masters s
JOIN Department_Masters d ON s.Dept_Code = d.Dept_Code
WHERE s.Staff_Sal > 20000;
100 %
Results
Messages
Staff_Name Dept_Code Dept_Name Staff_Sal
1 Mohan 10 Computer Science 24000.00
2 John 10 Computer Science 32000.00
3 Allen 30 Electronics 42000.00
4 Smith 20 Electricals 62000.00
5 Rahul 20 Electricals 22000.00
6 Ram 30 Electronics 32000.00
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1... 4B86FBFFDE0F516\Admini... UST 00:00:00 6 rows
Ready
Ln 250 Col 27 Ch 27 INS
Type here to search
ENG US
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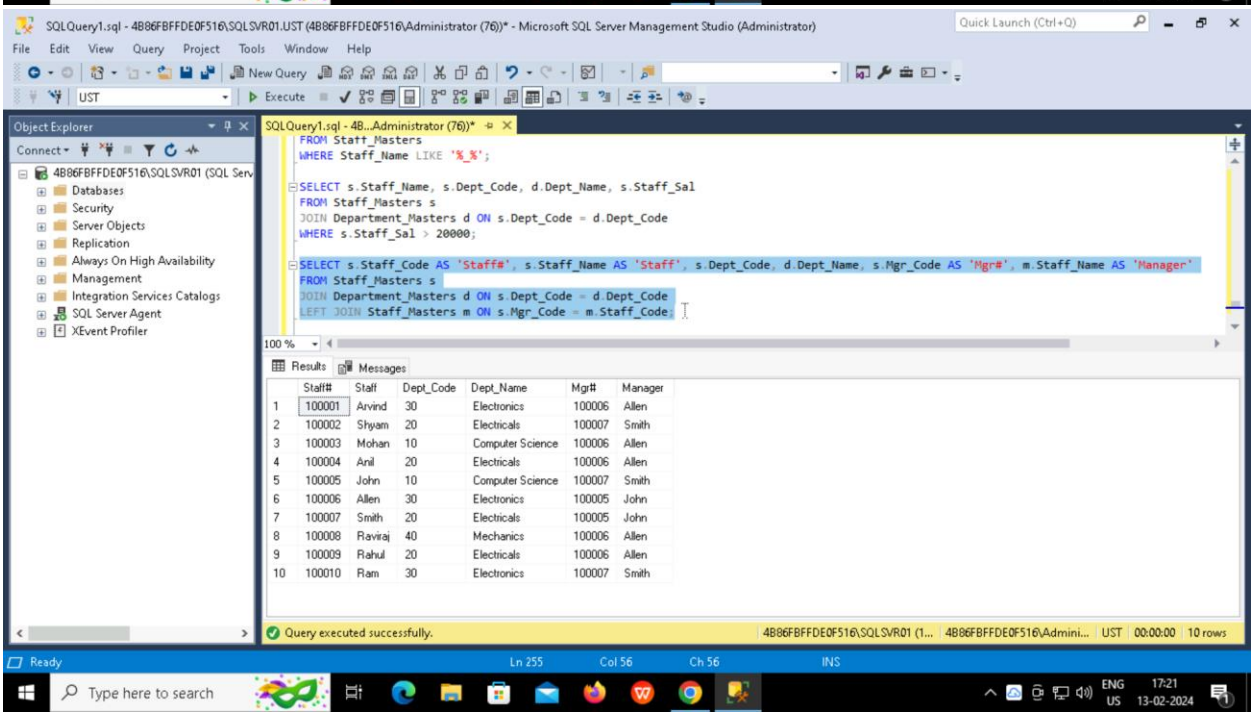
13-02-2024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SQLQuery1.sql - 4B...Administrator (76))*
FROM Staff_Masters
WHERE Staff_Name LIKE '%_%';
SELECT s.Staff_Name, s.Dept_Code, d.Dept_Name, s.Staff_Sal
FROM Staff_Masters s
JOIN Department_Masters d ON s.Dept_Code = d.Dept_Code
WHERE s.Staff_Sal > 20000;
SELECT s.Staff_Code AS 'Staff#', s.Staff_Name AS 'Staff', s.Dept_Code, d.Dept_Name, s.Mgr_Code AS 'Mgr#', m.Staff_Name AS 'Manager'
FROM Staff_Masters s
JOIN Department_Masters d ON s.Dept_Code = d.Dept_Code
LEFT JOIN Staff_Masters m ON s.Mgr_Code = m.Staff_Code;
100 %
Results
Messages
Staff# Staff Dept_Code Dept_Name Mgr# Manager
1 100001 Arvind 30 Electronics 100006 Allen
2 100002 Shyam 20 Electricals 100007 Smith
3 100003 Mohan 10 Computer Science 100006 Allen
4 100004 Anil 20 Electricals 100006 Allen
5 100005 John 10 Computer Science 100007 Smith
6 100006 Allen 30 Electronics 100005 John
7 100007 Smith 20 Electricals 100005 John
8 100008 Raviraj 40 Mechanics 100006 Allen
9 100009 Rahul 20 Electricals 100006 Allen
10 100010 Ram 30 Electronics 100007 Smith
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1... 4B86FBFFDE0F516\Admini... UST 00:00:00 10 rows
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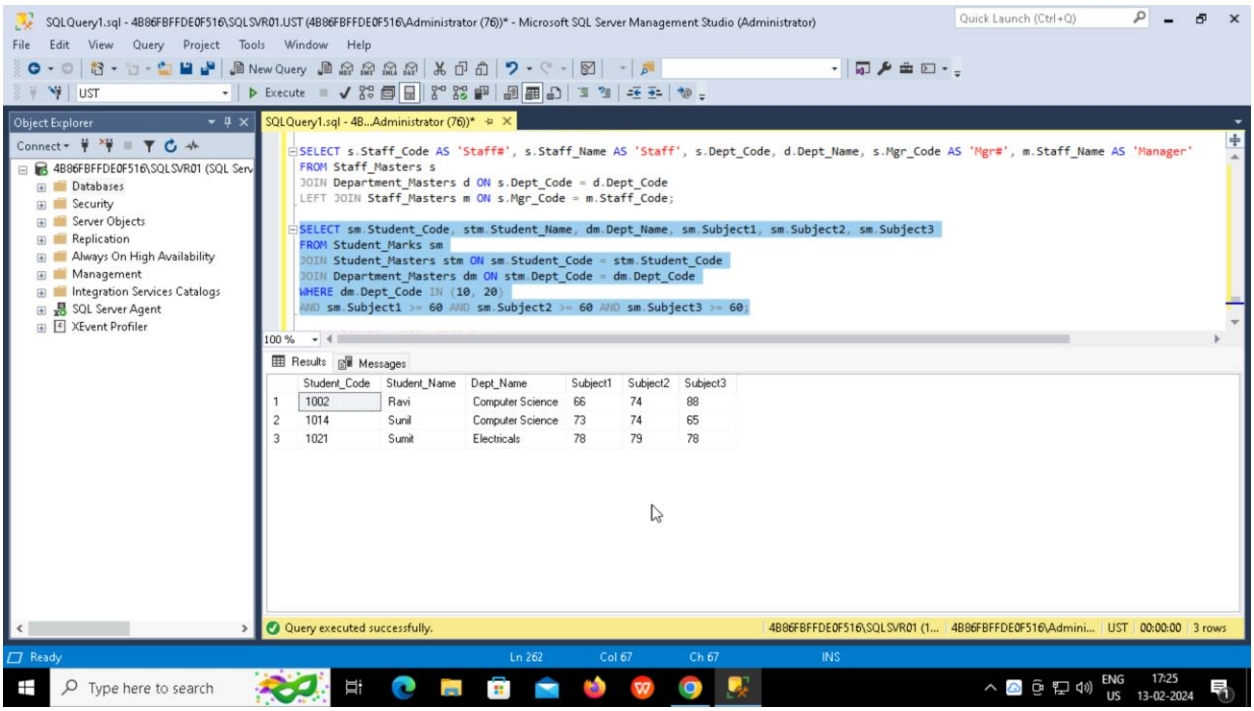
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SQLQuery1.sql - 4B...Administrator (76))*
SELECT s.Staff_Code AS 'Staff#', s.Staff_Name AS 'Staff', s.Dept_Code, d.Dept_Name, s.Mgr_Code AS 'Mgr#', m.Staff_Name AS 'Manager'
FROM Staff_Masters s
JOIN Department_Masters d ON s.Dept_Code = d.Dept_Code
LEFT JOIN Staff_Masters m ON s.Mgr_Code = m.Staff_Code;
SELECT sm.Student_Code, stm.Student_Name, dm.Dept_Name, sm.Subject1, sm.Subject2, sm.Subject3
FROM Student_Marks sm
JOIN Student_Masters stm ON sm.Student_Code = stm.Student_Code
JOIN Department_Masters dm ON stm.Dept_Code = dm.Dept_Code
WHERE dm.Dept_Code IN (10, 20)
AND sm.Subject1 >= 60 AND sm.Subject2 >= 60 AND sm.Subject3 >= 60;
100 %
Results
Messages
Student_Code Student_Name Dept_Name Subject1 Subject2 Subject3
1 1002 Ravi Computer Science 66 74 88
2 1014 Sunil Computer Science 73 74 65
3 1021 Sumit Electricals 78 79 78
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
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3 rows
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Ln 262
Col 67
Ch 67
INS
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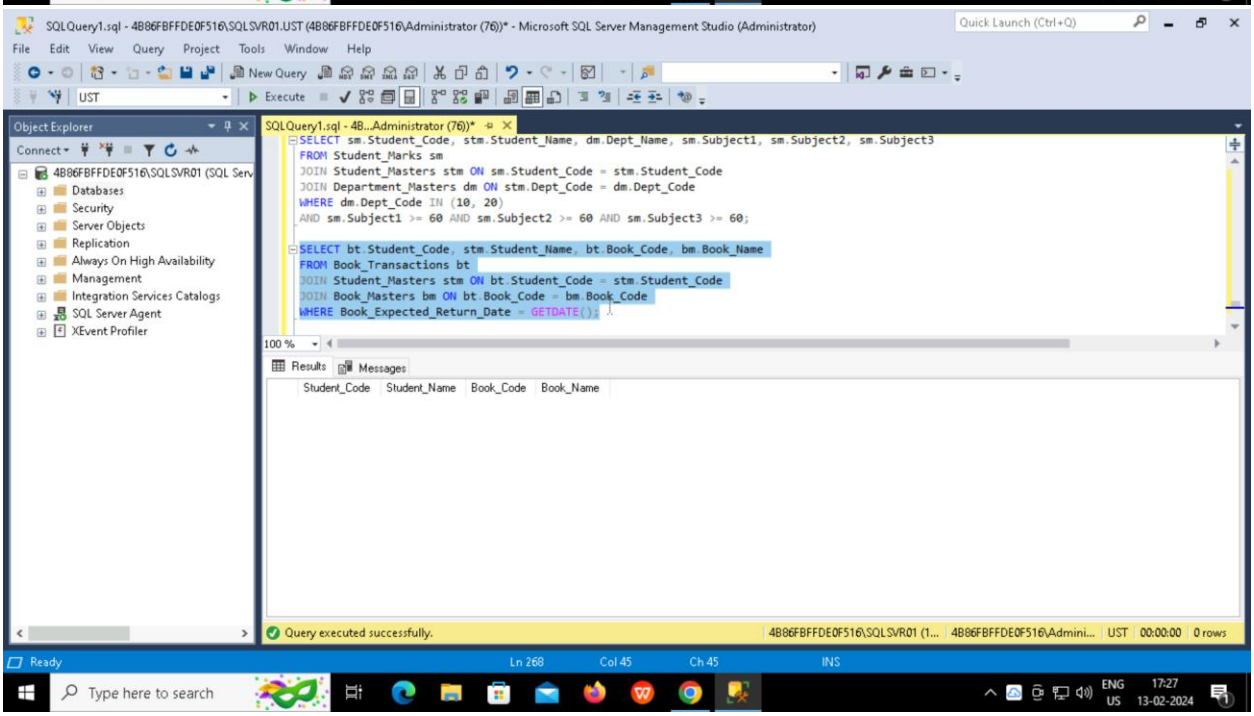
13-02-2024


SQLQuery1.sql - 4B86FBFFDE0F516\SQLSVR01.UST (4B86FBFFDE0F516\Administrator (76))* - Microsoft SQL Server Management Studio (Administrator)
Quick Launch (Ctrl+Q)
File Edit View Query Project Tools Window Help
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SQLQuery1.sql - 4B...Administrator (76))*
SELECT sm.Student_Code, stm.Student_Name, dm.Dept_Name, sm.Subject1, sm.Subject2, sm.Subject3
FROM Student_Marks sm
JOIN Student_Masters stm ON sm.Student_Code = stm.Student_Code
JOIN Department_Masters dm ON stm.Dept_Code = dm.Dept_Code
WHERE dm.Dept_Code IN (10, 20)
AND sm.Subject1 >= 60 AND sm.Subject2 >= 60 AND sm.Subject3 >= 60;
SELECT bt.Student_Code, stm.Student_Name, bt.Book_Code, bm.Book_Name
FROM Book_Transactions bt
JOIN Student_Masters stm ON bt.Student_Code = stm.Student_Code
JOIN Book_Masters bm ON bt.Book_Code = bm.Book_Code
WHERE Book_Expected_Return_Date = GETDATE();
100 %
Results
Messages
Student_Code Student_Name Book_Code Book_Name
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
0 rows
Ready
Ln 268
Col 45
Ch 45
INS
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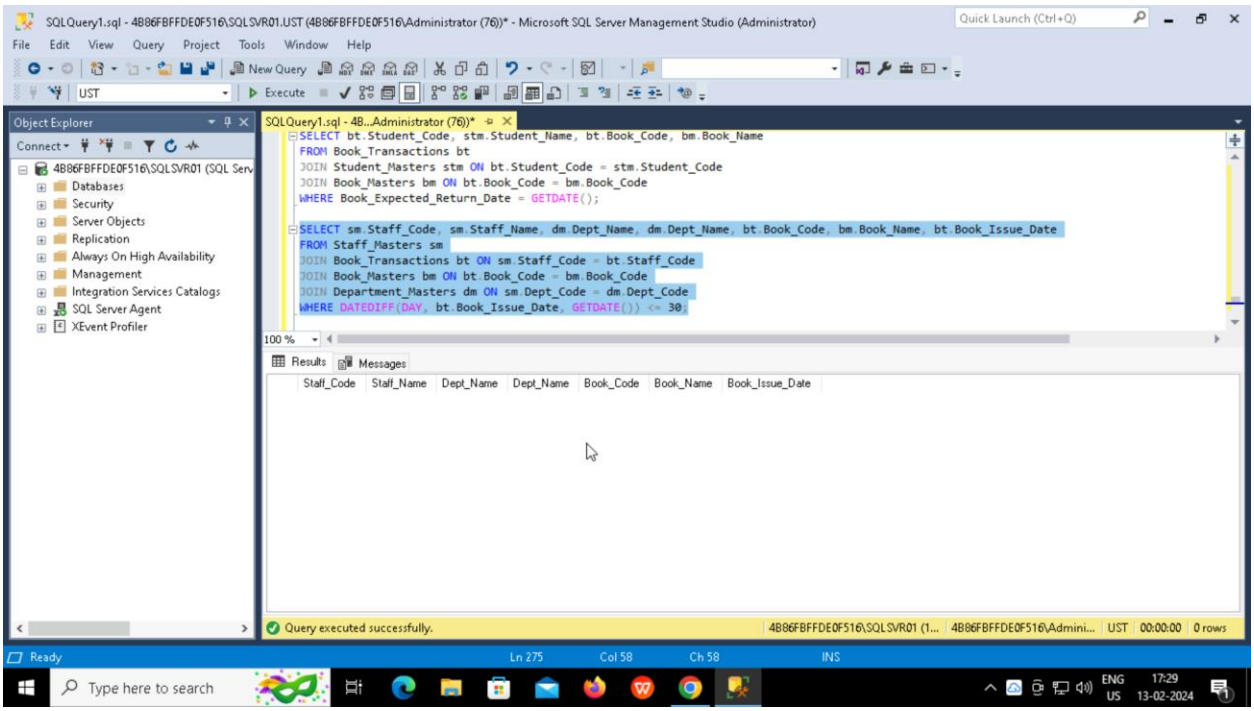
13-02-2024


SQLQuery1.sql - 4B86FBFFDE0F516\SQLSVR01.UST (4B86FBFFDE0F516\Administrator (76))* - Microsoft SQL Server Management Studio (Administrator)
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SQL Server Agent
XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
SELECT bt.Student_Code, stm.Student_Name, bt.Book_Code, bm.Book_Name
FROM Book_Transactions bt
JOIN Student_Masters stm ON bt.Student_Code = stm.Student_Code
JOIN Book_Masters bm ON bt.Book_Code = bm.Book_Code
WHERE Book_Expected_Return_Date = GETDATE();
SELECT sm.Staff_Code, sm.Staff_Name, dm.Dept_Name, dm.Dept_Name, bt.Book_Code, bm.Book_Name, bt.Book_Issue_Date
FROM Staff_Masters sm
JOIN Book_Transactions bt ON sm.Staff_Code = bt.Staff_Code
JOIN Book_Masters bm ON bt.Book_Code = bm.Book_Code
JOIN Department_Masters dm ON sm.Dept_Code = dm.Dept_Code
WHERE DATEDIFF(DAY, bt.Book_Issue_Date, GETDATE()) <= 30;
100 %
Results
Messages
Staff_Code Staff_Name Dept_Name Dept_Name Book_Code Book_Name Book_Issue_Date
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
0 rows
Ready
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Col 58
Ch 58
INS
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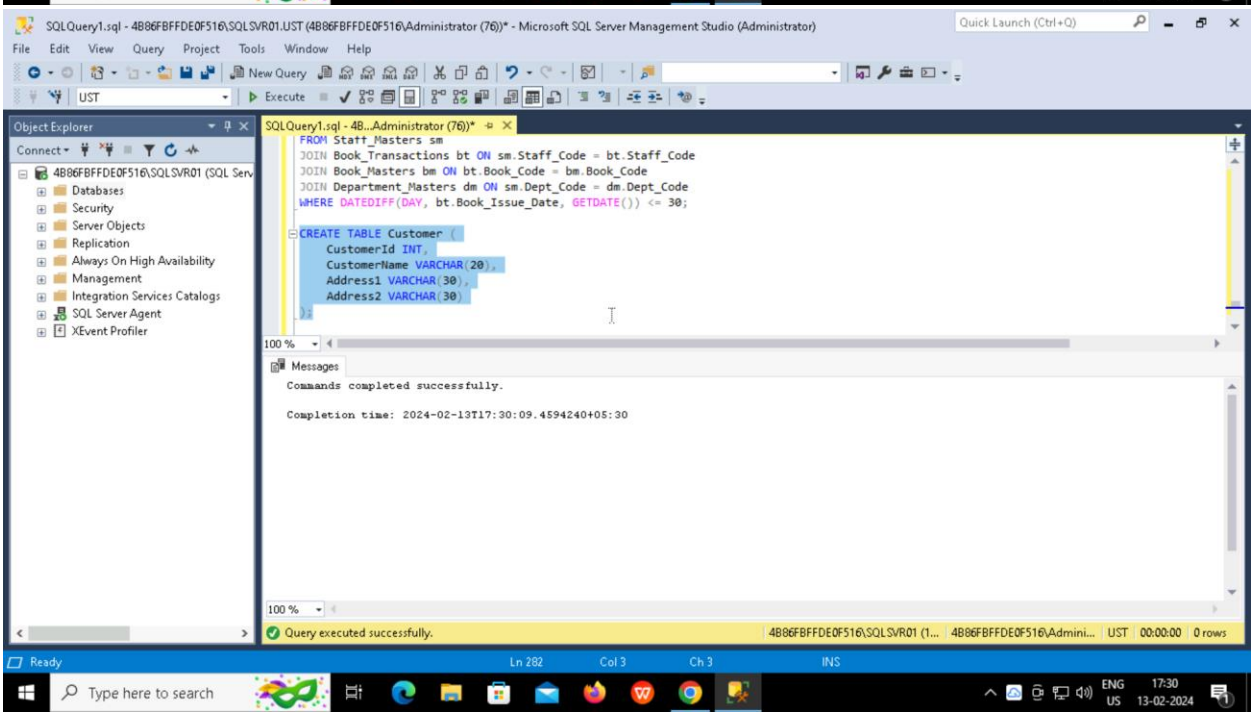
17:29
13-02-2024


SQLQuery1.sql - 4B86FBFFDE0F516\SQLSVR01.UST (4B86FBFFDE0F516\Administrator (76))* - Microsoft SQL Server Management Studio (Administrator)
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Integration Services Catalogs
SQL Server Agent
XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
FROM Staff_Masters sm
JOIN Book_Transactions bt ON sm.Staff_Code = bt.Staff_Code
JOIN Book_Masters bm ON bt.Book_Code = bm.Book_Code
JOIN Department_Masters dm ON sm.Dept_Code = dm.Dept_Code
WHERE DATEDIFF(DAY, bt.Book_Issue_Date, GETDATE()) <= 30;
CREATE TABLE Customer (
CustomerId INT,
CustomerName VARCHAR(20),
Address1 VARCHAR(30),
Address2 VARCHAR(30)
);
100 %
Messages
Commands completed successfully.
Completion time: 2024-02-13T17:30:09.4594240+05:30
100 %
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
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UST
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0 rows
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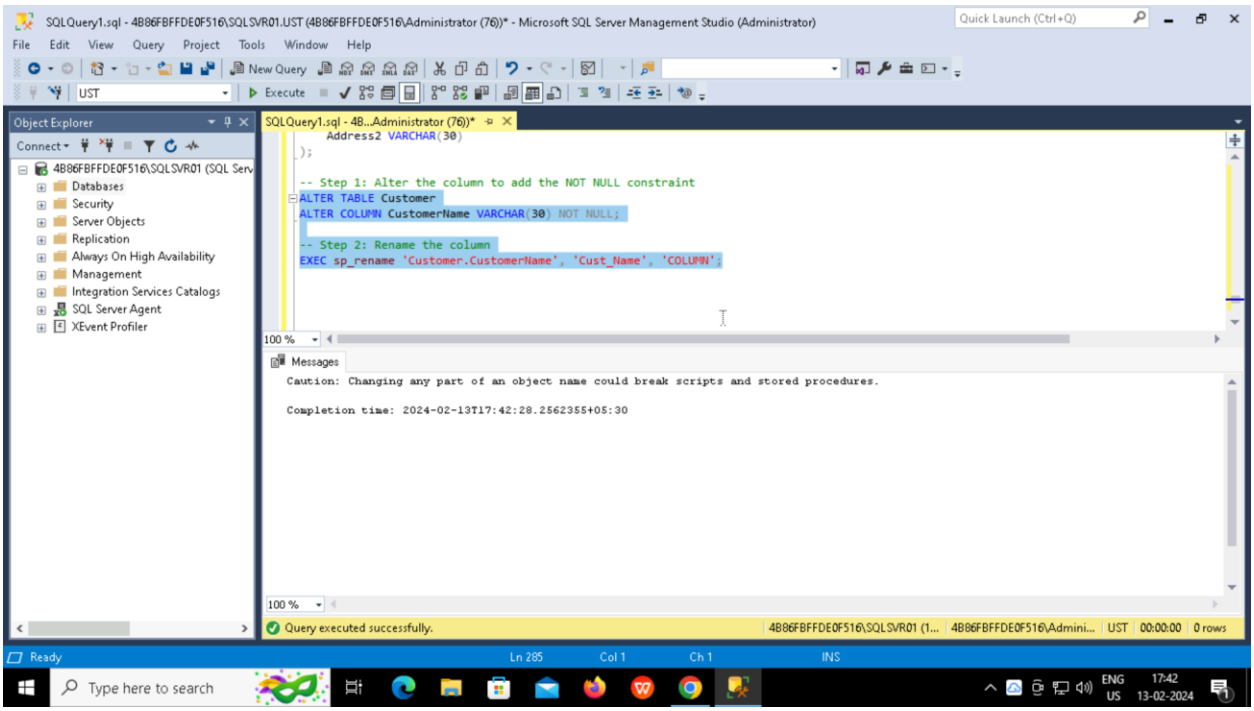
SQLQuery1.sql - 4B86FBFFDE0F516\SQLSVR01.UST (4B86FBFFDE0F516\Administrator (76))* - Microsoft SQL Server Management Studio (Administrator)
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SQLQuery1.sql - 4B...Administrator (76))*
Address2 VARCHAR(30)
);
-- Step 1: Alter the column to add the NOT NULL constraint
ALTER TABLE Customer
ALTER COLUMN CustomerName VARCHAR(30) NOT NULL;
-- Step 2: Rename the column
EXEC sp_rename 'Customer.CustomerName', 'Cust_Name', 'COLUMN';
100 %
Messages
Caution: Changing any part of an object name could break scripts and stored procedures.
Completion time: 2024-02-13T17:42:28.2562355+05:30
100 %
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
0 rows
Ready
Ln 285
Col 1
Ch 1
INS
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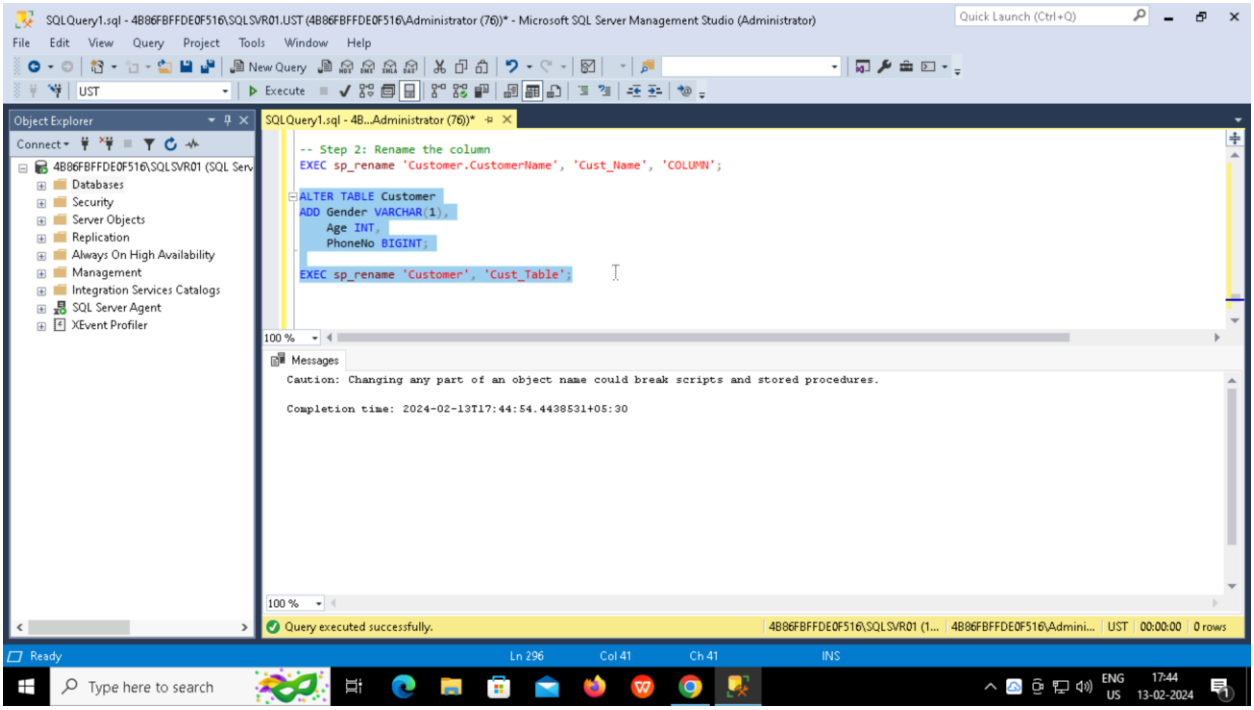
13-02-2024


SQLQuery1.sql - 4B86FBFFDE0F516\SQLSVR01.UST (4B86FBFFDE0F516\Administrator (76))* - Microsoft SQL Server Management Studio (Administrator)
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XEvent Profiler
SQLQuery1.sql - 4B...Administrator (76))*
-- Step 2: Rename the column
EXEC sp_rename 'Customer.CustomerName', 'Cust_Name', 'COLUMN';
ALTER TABLE Customer
ADD Gender VARCHAR(1),
Age INT,
PhoneNo BIGINT;
EXEC sp_rename 'Customer', 'Cust_Table';
100 %
Messages
Caution: Changing any part of an object name could break scripts and stored procedures.
Completion time: 2024-02-13T17:44:54.4438531+05:30
100 %
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
0 rows
Ready
Ln 296
Col 41
Ch 41
INS
Type here to search
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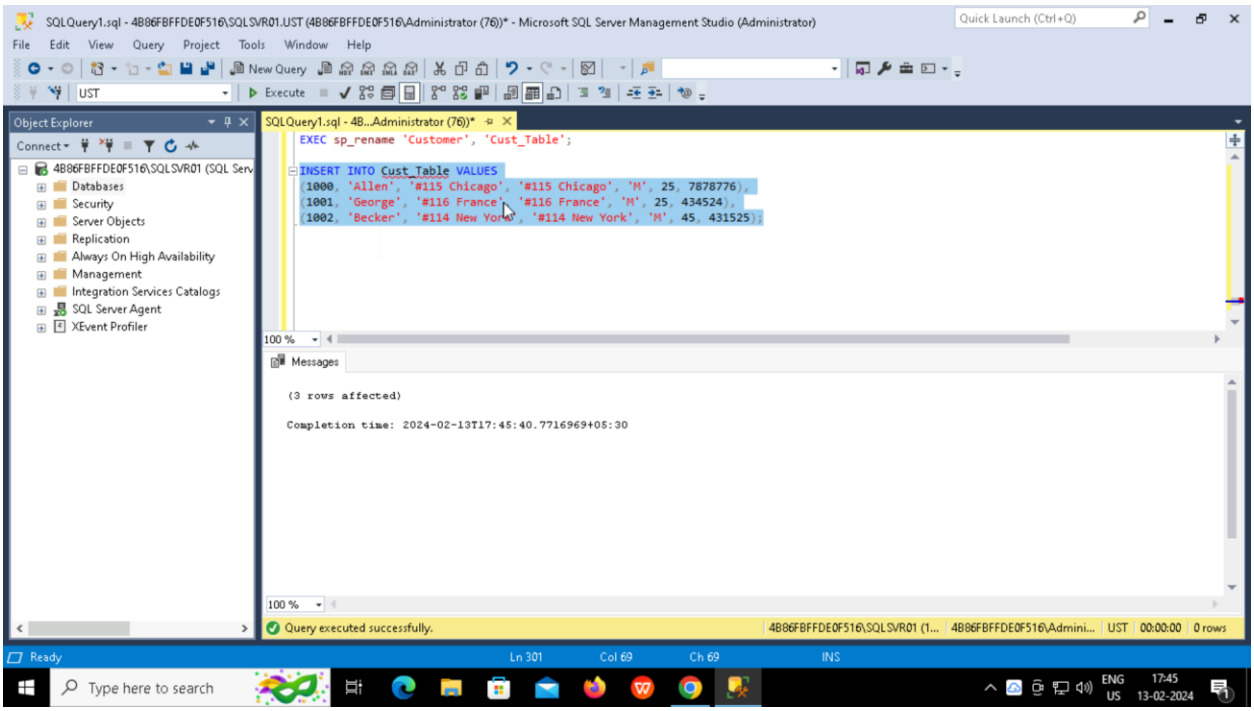
17:44
13-02-2024


SQLQuery1.sql - 4B86FBFFDE0F516\SQLSVR01.UST (4B86FBFFDE0F516\Administrator (76))* - Microsoft SQL Server Management Studio (Administrator)
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SQLQuery1.sql - 4B...Administrator (76))*
EXEC sp_rename 'Customer', 'Cust_Table';
INSERT INTO Cust_Table VALUES
(1000, 'Allen', '#115 Chicago', '#115 Chicago', 'M', 25, 7878776),
(1001, 'George', '#116 France', '#116 France', 'M', 25, 434524),
(1002, 'Becker', '#114 New York', '#114 New York', 'M', 45, 431525);
100 %
Messages
(3 rows affected)
Completion time: 2024-02-13T17:45:40.7716969+05:30
100 %
Query executed successfully.
4B86FBFFDE0F516\SQLSVR01 (1...
4B86FBFFDE0F516\Admini...
UST
00:00:00
0 rows
Ready
Ln 301
Col 69
Ch 69
INS
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ENG
US
17:45
13-02-2024