

# SQL Assignment 13-2-24

## DQL

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
-- 1. Retrieve the details (Name, Salary and dept code) of the staff who are working in department code 20, 30 and 40.
SELECT Staff_Name AS Name, Staff_Sal AS Salary, Dept_Code
FROM STAFF_MASTER
WHERE Dept_Code IN (20, 30, 40);
```

	Name	Salary	Dept_Code
1	Arvind	17000.00	30
2	Shyan	20000.00	20
3	Anil	20000.00	20
4	Allen	42000.00	30
5	Smith	62000.00	20
6	Raviraj	18000.00	40
7	Rahul	22000.00	20
8	Ram	32000.00	30

Activate Windows

Query executed successfully.

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
-- 1. Retrieve the details (Name, Salary and dept code) of the staff who are working in department code 20, 30 and 40.
SELECT Staff_Name AS Name, Staff_Sal AS Salary, Dept_Code
FROM STAFF_MASTER
WHERE Dept_Code IN (20, 30, 40);

-- 2. Display the code and total marks for every student. Total Marks will be calculated as subject1+subject2+subject3 .(Refer Student_Marks)
SELECT Student_Code AS Code, Subject1 + Subject2 + Subject3 AS Total_Marks
FROM STUDENT_MARKS;
```

	Code	Total_Marks
1	1001	178
2	1002	228
3	1003	206
4	1004	219
5	1005	231
6	1006	205
7	1007	195
8	1008	182
9	1009	188
10	1010	204
11	1011	263
12	1012	189
13	1013	198
14	1014	212
15	1015	185

Activate Windows

Query executed successfully.

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
-- 2. Display the code and total marks for every student. Total Marks will be calculated as subject1+subject2+subject3 .(Refer Student_Marks table)
SELECT Student_Code AS Code, Subject1 + Subject2 + Subject3 AS Total_Marks
FROM STUDENT_MARKS;

-- 3. List the Name and Designation code of the staff who have joined before Jan 2003 and whose salary range is between 12000 and 25000.
SELECT Staff_Name AS Name, Design_Code AS Designation_Code
FROM STAFF_MASTER
WHERE Hiredate < '2003-01-01' AND Staff_Sal BETWEEN 12000 AND 25000;
```

Results

Name	Designation_Code
Shyam	102
Mohan	102
Anil	102

Query executed successfully.

Activate Windows

Ready Type here to search

File Edit View Query Project Tools Window Help

Object Explorer

Connect ▾

B6CEBCA78A2254C\SQLSRV01 (SQL Server)

- Databases
  - System Databases
  - Database Snapshots
  - DW Configuration
  - DW Diagnostics
  - DW Queue
  - sample1
  - UST
  - Security
  - Server Objects
  - Replication
  - Always On High Availability
  - Management
  - Integration Services Catalogs
  - SQL Server Agent
  - XEvent Profiler

LN 234 Col 1 Ch 1 INS

File Edit View Query Project Tools Window Help

Object Explorer

Connect ▾

B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
FROM STAFF_MASTER
WHERE Hiredate < '2003-01-01' AND Staff_Sal BETWEEN 12000 AND 25000;

-- 4. List the code, name, and department number of the staff who have experience of 18 or more years and sort them based on their experience.
SELECT Staff_Code AS Code, Staff_Name AS Name, Dept_Code
FROM STAFF_MASTER
WHERE DATEDIFF(YEAR, Hiredate, GETDATE()) >= 18
ORDER BY DATEDIFF(YEAR, Hiredate, GETDATE());
```

Results

Code	Name	Dept_Code
100001	Arvind	30
100008	Raviraj	40
100009	Rahul	20
100010	Ram	30
100007	Smith	20
100002	Shyam	20
100003	Mohan	10
100004	Anil	20
100005	John	10
100006	Allen	30

Query executed successfully.

Activate Windows

Ready Type here to search

File Edit View Query Project Tools Window Help

Object Explorer

Connect ▾

B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

LN 240 Col 1 Ch 1 INS

File Edit View Query Project Tools Window Help

Object Explorer

Connect ▾

B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

LN 240 Col 1 Ch 1 INS

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+O)

Object Explorer Connect UST Execute

SQLQuery2.sql - B6..Administrator (52)\* ust1.sql - B6CEBCA...Administrator (53)

```
FROM STAFF_MASTERSP  
WHERE DATEDIFF(YEAR, Hiredate, GETDATE()) >= 18  
ORDER BY DATEDIFF(YEAR, Hiredate, GETDATE());  
  
-- 5. List the name, designation_code, and salary for 10 years of the staff who are working in departments 10 and 30.  
SELECT Staff_Name AS Name, Design_Code AS Designation_Code, Staff_Sal AS Salary  
FROM STAFF_MASTERSP  
WHERE Dept_Code IN (10, 30) AND DATEDIFF(YEAR, Hiredate, GETDATE()) >= 10;
```

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

Activate Windows

Query executed successfully. B6CEBCA78A2254C\SQLSRV01 (1...) | B6CEBCA78A2254C\Administr... | UST | 00:00:00 | 5 rows

Ready Type here to search Ln 245 Col 1 Ch 1 INS ENG US 16:28 13-02-2024

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+O)

Object Explorer Connect UST Execute

SQLExecute (F5) B6..Administrator (52)\* ust1.sql - B6CEBCA...Administrator (53)

```
-- 5. List the name, designation_code, and salary for 10 years of the staff who are working in departments 10 and 30.  
SELECT Staff_Name AS Name, Design_Code AS Designation_Code, Staff_Sal AS Salary  
FROM STAFF_MASTERSP  
WHERE Dept_Code IN (10, 30) AND DATEDIFF(YEAR, Hiredate, GETDATE()) >= 10;  
  
-- 6. Display name concatenated with dept code separated by comma and space. Name the column as 'Student Info'.  
SELECT CONCAT(Staff_Name, ', ', Dept_Code) AS 'Student Info'  
FROM STAFF_MASTERSP;
```

Results Messages

	Student Info
1	Arvind, 30
2	Shyam, 20
3	Mohan, 10
4	Anil, 20
5	John, 10
6	Allen, 30
7	Smith, 20
8	Raviraj, 40
9	Rahul, 20
10	Ram, 30

Activate Windows

Query executed successfully. B6CEBCA78A2254C\SQLSRV01 (1...) | B6CEBCA78A2254C\Administr... | UST | 00:00:00 | 10 rows

Ready Type here to search Ln 249 Col 1 Ch 1 INS ENG US 16:28 13-02-2024

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
-- 6. Display name concatenated with dept code separated by comma and space. Name the column as 'Student Info'.
SELECT CONCAT(Staff_Name, ', ', Dept_Code) AS 'Student Info'
FROM STAFF_MASTER;

-- 7. Display the staff details who do not have manager. Hint: Use is null
SELECT *
FROM STAFF_MASTER
WHERE Mgr_code IS NULL;
```

Results

Staff_Code	Staff_Name	Design_Code	Dept_Code	Staff_Dob	Hiredate	Mgr_code	Staff_Sal	Staff_Address

Query executed successfully.

Activate Windows

Ready Type here to search

File Edit View Query Project Tools Window Help

Object Explorer

Databases

- System Databases
- Database Snapshots
- DW Configuration
- DW Diagnostics
- DW Queue
- sample1
- UST
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
- XEvent Profiler

LN 254 Col 1 Ch 1 INS

File Edit View Query Project Tools Window Help

Object Explorer

Databases

- System Databases
- Database Snapshots
- DW Configuration
- DW Diagnostics
- DW Queue
- sample1
- UST
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
- XEvent Profiler

LN 260 Col 1 Ch 1 INS

```
-- 8. Write a query which will display name, department code and date of birth of all students who were born between January 1, 1981 and March 31, 1983.
SELECT Student_Name AS Name, Dept_Code, Student_Dob AS Date_of_Birth
FROM STUDENT_MASTER
WHERE Student_Dob BETWEEN '1981-01-01' AND '1983-03-31'
ORDER BY Student_Dob ASC;
```

Results

Name	Dept_Code	Date_of_Birth
Rahul	50	1981-01-16
Dev	10	1981-03-11
Kapil	40	1981-03-18
Ravi Raj	50	1981-05-29
Ravi	10	1981-11-01
Ajay	20	1982-01-13
Mehul	20	1982-01-17
Arvind	40	1983-01-15

Query executed successfully.

Activate Windows

Ready Type here to search

File Edit View Query Project Tools Window Help

Object Explorer

Databases

- System Databases
- Database Snapshots
- DW Configuration
- DW Diagnostics
- DW Queue
- sample1
- UST
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
- XEvent Profiler

LN 260 Col 1 Ch 1 INS

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+O)

Object Explorer

B6CEBCA78A2254C\SQLSRV01 (SQL Server)  
 Databases  
 System Databases  
 Database Snapshots  
 DW Configuration  
 DW Diagnostics  
 DW Queue  
 sample1  
 UST  
 Security  
 Server Objects  
 Replication  
 Always On High Availability  
 Management  
 Integration Services Catalogs  
 SQL Server Agent  
 XEvent Profiler

SQLQuery2.sql - B6...Administrator (52)\*

```

FROM STUDENT_MASTERS
WHERE Student_Dob BETWEEN '1981-01-01' AND '1983-03-31'
ORDER BY Student_Dob ASC;

-- 9. Display the Book details that were published during the period of 2001 to 2004. Also display book details with Book name having %&%
SELECT *
FROM BOOK_MASTERS
WHERE (Book_pub_year BETWEEN 2001 AND 2004) OR (Book_name LIKE '%&%');
  
```

Results

Book_code	Book_name	Book_pub_year	Book_pub_author
1000003	JAVA Complete Reference	2004	H.Schild
1000007	Introduction To Algorithms	2001	Comen
1000009	Introduction to O/S	2001	Milan

Activate Windows

Query executed successfully. B6CEBCA78A2254C\SQLSRV01 (1...) B6CEBCA78A2254C\Administrator (52) UST 00:00:00 | 3 rows

Ready Type here to search Ln 265 Col 1 Ch 1 INS ENG US 16:29 13-02-2024

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+O)

Object Explorer

B6CEBCA78A2254C\SQLSRV01 (SQL Server)  
 Databases  
 System Databases  
 Database Snapshots  
 DW Configuration  
 DW Diagnostics  
 DW Queue  
 sample1  
 UST  
 Security  
 Server Objects  
 Replication  
 Always On High Availability  
 Management  
 Integration Services Catalogs  
 SQL Server Agent  
 XEvent Profiler

SQLQuery2.sql - B6...Administrator (52)\*

```

SELECT *
FROM BOOK_MASTERS
WHERE (Book_pub_year BETWEEN 2001 AND 2004) OR (Book_name LIKE '%&%');

-- 10. Display the Book details where the records have the word "COMP" anywhere in the Book name.
SELECT *
FROM BOOK_MASTERS
WHERE Book_name LIKE '%COMP%';
  
```

Results

Book_code	Book_name	Book_pub_year	Book_pub_author
1000003	JAVA Complete Reference	2004	H.Schild
1000004	J2EE Complete Reference	2000	H. Schild
1000008	Computer Networks	2000	Tanenbaum

Activate Windows

Query executed successfully. B6CEBCA78A2254C\SQLSRV01 (1...) B6CEBCA78A2254C\Administrator (52) UST 00:00:00 | 3 rows

Ready Type here to search Ln 270 Col 1 Ch 1 INS ENG US 16:30 13-02-2024

SQLQuery2.sql - B6CEBCA78A2254C\SQLSVR01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+O)

UST Execute

Object Explorer

B6CEBCA78A2254C\SQLSVR01 (SQL Server)

SQLQuery2.sql - B6..Administrator (52)\*

SELECT \*  
FROM BOOK\_MASTERS  
WHERE Book\_name LIKE '%COMPS';

-- 11. List the details of the staff, whose names start with 'A' and end with 'S' or whose names contains N as the second or third character.

SELECT \*  
FROM STAFF\_MASTERS  
WHERE (Staff\_Name LIKE 'ANS' OR Staff\_Name LIKE '\_NS' OR Staff\_Name LIKE '\_\_N%' OR Staff\_Name LIKE 'SON' OR Staff\_Name LIKE 'S%S');

100 %

Results

	Staff_Code	Staff_Name	Design_Code	Dept_Code	Staff_Dob	Hiredate	Mgr_code	Staff_Sal	Staff_Address
1	100001	Arvind	102	30	1980-01-15	2003-01-15	100006	17000.00	Bangalore
2	100003	Mohan	102	10	1980-03-23	2002-01-19	100006	24000.00	Mumbai
3	100004	Anil	102	20	1977-04-22	2001-03-11	100006	20000.00	Hyderabad
4	100005	John	106	10	1976-05-22	2001-01-21	100007	32000.00	Bangalore
5	100006	Allen	103	30	1980-01-22	2001-04-23	100005	42000.00	Chennai

Activate Windows

Query executed successfully. B6CEBCA78A2254C\SQLSVR01 (1...) B6CEBCA78A2254C\Administrator (52) UST 00:00:00 | 5 rows

Ready Type here to search

Ln 275 Col 1 Ch 1 INS ENG US 16:30 13-02-2024

SQLQuery2.sql - B6CEBCA78A2254C\SQLSVR01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+O)

UST Execute

Object Explorer

B6CEBCA78A2254C\SQLSVR01 (SQL Server)

SQLQuery2.sql - B6..Administrator (52)\*

SELECT \*  
FROM STAFF\_MASTERS  
WHERE (Staff\_Name LIKE 'ANS' OR Staff\_Name LIKE '\_NS' OR Staff\_Name LIKE '\_\_N%' OR Staff\_Name LIKE 'SON' OR Staff\_Name LIKE 'S%S');

-- 12. List the names of the staff having '\_' character in their name.

SELECT Staff\_Name  
FROM STAFF\_MASTERS  
WHERE Staff\_Name LIKE '%\_%';

100 %

Results

	Staff_Name
1	Arvind
2	Shyam
3	Mohan
4	Anil
5	John
6	Allen
7	Smith
8	Raviraj
9	Rahul
10	Ram

Activate Windows

Query executed successfully. B6CEBCA78A2254C\SQLSVR01 (1...) B6CEBCA78A2254C\Administrator (52) UST 00:00:00 | 10 rows

Ready Type here to search

Ln 280 Col 1 Ch 1 INS ENG US 16:30 13-02-2024

## JOINS

The screenshot shows three separate sessions in Microsoft SQL Server Management Studio (SSMS) demonstrating various join operations:

**Session 1 (Top):** This session shows a query using an INNER JOIN to select staff names, department codes, department names, and salaries for staff earning more than 20000. The results are as follows:

Staff_Name	Dept_Code	Dept_Name	Staff_Sal
Mohan	10	Computer Science	24000.00
John	10	Computer Science	32000.00
Allen	30	Electronics	42000.00
Smith	20	Electricals	62000.00
Rahul	20	Electricals	22000.00
Ram	30	Electronics	32000.00

**Session 2 (Middle):** This session shows a query using multiple joins to display staff code, name, department name, and manager's number and name. The results are as follows:

Staff#	Staff	Department Name	Mgr#	Manager
100001	Arvind	Electronics	100006	Allen
100002	Shyam	Electricals	100007	Smith
100003	Mohan	Computer Science	100006	Allen
100004	Anil	Electricals	100006	Allen
100005	John	Computer Science	100007	Smith
100006	Allen	Electronics	100005	John
100007	Smith	Electricals	100005	John
100008	Raviraj	Mechanics	100006	Allen
100009	Rahul	Electricals	100006	Allen
100010	Ram	Electronics	100007	Smith

**Session 3 (Bottom):** This session shows a query using a LEFT JOIN to display staff code, name, department name, and manager's number and name. The results are as follows:

Staff#	Staff	Department Name	Mgr#	Manager
100001	Arvind	Electronics	100006	Allen
100002	Shyam	Electricals	100007	Smith
100003	Mohan	Computer Science	100006	Allen
100004	Anil	Electricals	100006	Allen
100005	John	Computer Science	100007	Smith
100006	Allen	Electronics	100005	John
100007	Smith	Electricals	100005	John
100008	Raviraj	Mechanics	100006	Allen
100009	Rahul	Electricals	100006	Allen
100010	Ram	Electronics	100007	Smith

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
-- 3. Create a query that will display Student Code, Student Name, Department Name, Subject1, Subject2, and Subject3 for all students whose expected book return date is between 10/01/2023 and 20/01/2023.
SELECT sm.Student_Code, sm.Student_Name, dm.Dept_Name,
       smk.Subject1, smk.Subject2, smk.Subject3
FROM STUDENT_MASTER sm
JOIN DEPARTMENT_MASTER dm ON sm.Dept_Code = dm.Dept_code
JOIN STUDENT_MARKS smk ON sm.Student_Code = smk.Student_Code
WHERE dm.Dept_Code IN (10, 20)
AND smk.Subject1 >= 60 AND smk.Subject2 >= 60 AND smk.Subject3 >= 60;
```

	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	Sunit	Electricals	78	79	78
4	1002	Ravi	Computer Science	89	96	78
5	1007	Mehul	Electricals	68	78	74
6	1013	Anil	Electricals	66	74	88
7	1014	Sunil	Computer Science	65	64	90

Activate Windows

Query executed successfully.

B6CEBCA78A2254C\SQLSRV01 (1... B6CEBCA78A2254C\Administr... UST 00:00:00 / 7 rows

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
WHERE dm.Dept_Code IN (10, 20)
AND smk.Subject1 >= 60 AND smk.Subject2 >= 60 AND smk.Subject3 >= 60;

-- 4. Create a query that will display Student Code, Student Name, Book Code, and Book Name for all students whose expected book return date is between 10/01/2023 and 20/01/2023.
SELECT bt.Student_code, sm.Student_Name, bt.Book_code, bm.Book_name
FROM BOOK_TRANSACTIONS bt
JOIN STUDENT_MASTER sm ON bt.Student_code = sm.Student_Code
JOIN BOOK_MASTER bm ON bt.Book_code = bm.Book_code

-- 5. Create a query that will display Staff Code, Staff Name, Department Name, Designation name, Book Code, Book Name, and Issue Date.
SELECT sm.Staff_Code, sm.Staff_Name, dm.Dept_Name, dm.Dept_code,
       bt.Book_code, bm.Book_name, bt.Book_issue_date
FROM STAFF_MASTER sm
```

	Student_code	Student_Name	Book_code	Book_name
1	1012	Rajesh	1000006	Let Us C
2	1015	Kapil	1000004	J2EE Complete Reference
3	1009	Vijay	1000005	Relational DBMS

Activate Windows

Query executed successfully.

B6CEBCA78A2254C\SQLSRV01 (1... B6CEBCA78A2254C\Administr... UST 00:00:00 / 3 rows

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
-- 5. Create a query that will display Staff Code, Staff Name, Department Name, Designation name, Book Code, Book Name, and Issue Date.
SELECT sm.Staff_Code, sm.Staff_Name, dm.Dept_Name, dm.Dept_Code,
       bt.Book_code, bm.Book_name, bt.Book_issue_date
FROM STAFF_MASTER sm
JOIN DEPARTMENT_MASTER dm ON sm.Dept_Code = dm.Dept_code
JOIN BOOK_TRANSACTIONS bt ON sm.Staff_Code = bt.Staff_code
JOIN BOOK_MASTER bm ON bt.Book_code = bm.Book_code
```

Staff_Code	Staff_Name	Dept_Name	Dept_code	Book_code	Book_name	Book_issue_date
100006	Allen	Electronics	30	1000008	Computer Networks	2011-03-10
100010	Ram	Electronics	30	1000009	Introduction to O/S	2011-04-01
100007	Smith	Electricals	20	1000005	Relational DBMS	2011-03-14
100007	Smith	Electricals	20	1000007	Introduction To Algorithms	2010-04-01
100006	Allen	Electronics	30	1000007	Intoduction To Algorithams	2010-04-01

Activate Windows

Query executed successfully.

LN 318 Col 1 Ch 1 INS

Type here to search

13-02-2024

## DDL

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

```
-- 1. Create the Customer table with the following columns.
CREATE TABLE Customer (
    CustomerId INT,
    CustomerName VARCHAR(20),
    Address1 VARCHAR(30),
    Address2 VARCHAR(30)
);

-- 2. Modify the Customer table CustomerName column of datatype with Varchar(30), rename the column to CustomerName and it should not accept null values.
ALTER TABLE Customer
ALTER COLUMN CustomerName VARCHAR(30) NOT NULL;
```

Commands completed successfully.

Completion time: 2024-02-13T16:41:48.2653075+05:30

Activate Windows

Query executed successfully.

LN 327 Col 1 Ch 1 INS

Type here to search

13-02-2024

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+O)

UST Execute

Object Explorer

B6CEBCA78A2254C\SQLSRV01 (SQL Server)

CustomerID INT,  
CustomerName VARCHAR(20),  
Address1 VARCHAR(30),  
Address2 VARCHAR(30);  
-- 2. Modify the Customer table CustomerName column of datatype with Varchar2(30), rename the column to CustomerName and it should not be nullable.  
ALTER TABLE Customer  
ALTER COLUMN CustomerName VARCHAR(30) NOT NULL;  
-- 3. a) Add the following Columns to the Customer table.  
ALTER TABLE Customer  
ADD  
Gender CHAR(1);  
100 %

Messages   
Commands completed successfully.

Completion time: 2024-02-13T16:42:15.7713179+05:30

Activate Windows

100 %

Query executed successfully. B6CEBCA78A2254C\SQLSRV01 (1... B6CEBCA78A2254C\Administrat... UST 00:00:00 0 rows

Matches: ( Type here to search Ln 328 Col 1 Ch 1 INS ENG US 16:42 13-02-2024

SQLQuery2.sql - B6CEBCA78A2254C\SQLSRV01.UST (B6CEBCA78A2254C\Administrator (52)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+O)

UST Execute

Object Explorer

B6CEBCA78A2254C\SQLSRV01 (SQL Server)

-- 2. Modify the Customer table CustomerName column of datatype with Varchar2(30), rename the column to CustomerName and it should not be nullable.  
ALTER TABLE Customer  
ALTER COLUMN CustomerName VARCHAR(30) NOT NULL;  
-- 3. a) Add the following Columns to the Customer table.  
ALTER TABLE Customer  
ADD  
Gender NVARCHAR(10),  
Age INT,  
PhoneNo BIGINT;  
-- 3. b) Rename the Customer table to Cust\_Table  
EXEC sp\_rename 'Customer', 'Cust\_Table';  
100 %

Messages   
Commands completed successfully.

Completion time: 2024-02-13T16:43:11.2601669+05:30

Activate Windows

100 %

Query executed successfully. B6CEBCA78A2254C\SQLSRV01 (1... B6CEBCA78A2254C\Administrat... UST 00:00:00 0 rows

Matches: ( Type here to search Ln 339 Col 1 Ch 1 INS ENG US 16:43 13-02-2024

```
-- 3. a) Add the following Columns to the Customer table.  
ALTER TABLE Customer  
ADD  
    Gender NVARCHAR(10),  
    Age INT,  
    PhoneNo BIGINT  
;  
  
-- 3. b) Rename the Customer table to Cust_Table  
EXEC sp_rename 'Customer', 'Cust_Table';
```

100 %

Messages

Caution: Changing any part of an object name could break scripts and stored procedures.

Completion time: 2024-02-13T16:43:27.5335238+05:30

Activate Windows

Query executed successfully.

B6CEBCA78A2254C\SQLSRV01 (1... B6CEBCA78A2254C\Administrat... UST | 00:00:00 / 0 rows

LN 341 Col 41 Ch 41 INS

Type here to search

## DML

```
-- 3. b) Rename the Customer table to Cust_Table  
EXEC sp_rename 'Customer', 'Cust_Table';  
  
-- Insert rows with the following data into the Customer table.  
INSERT INTO Cust_Table (CustomerId, CustomerName, Address1, Address2, Gender, Age, PhoneNo)  
VALUES (1000, 'Allen', '#115 Chicago', '#115 Chicago', 'M', 25, 7878776);  
  
INSERT INTO Cust_Table (CustomerId, CustomerName, Address1, Address2, Gender, Age, PhoneNo)  
VALUES (1001, 'George', '#116 France', '#116 France', 'M', 25, 434524);  
  
INSERT INTO Cust_Table (CustomerId, CustomerName, Address1, Address2, Gender, Age, PhoneNo)  
VALUES (1002, 'Becker', '#114 New York', '#114 New York', 'M', 45, 431525);
```

100 %

Messages

(1 row affected)

(1 row affected)

(1 row affected)

Completion time: 2024-02-13T16:46:17.7539773+05:30

Activate Windows

Query executed successfully.

B6CEBCA78A2254C\SQLSRV01 (1... B6CEBCA78A2254C\Administrat... UST | 00:00:00 / 0 rows

LN 343 Col 1 Ch 1 INS

Type here to search