

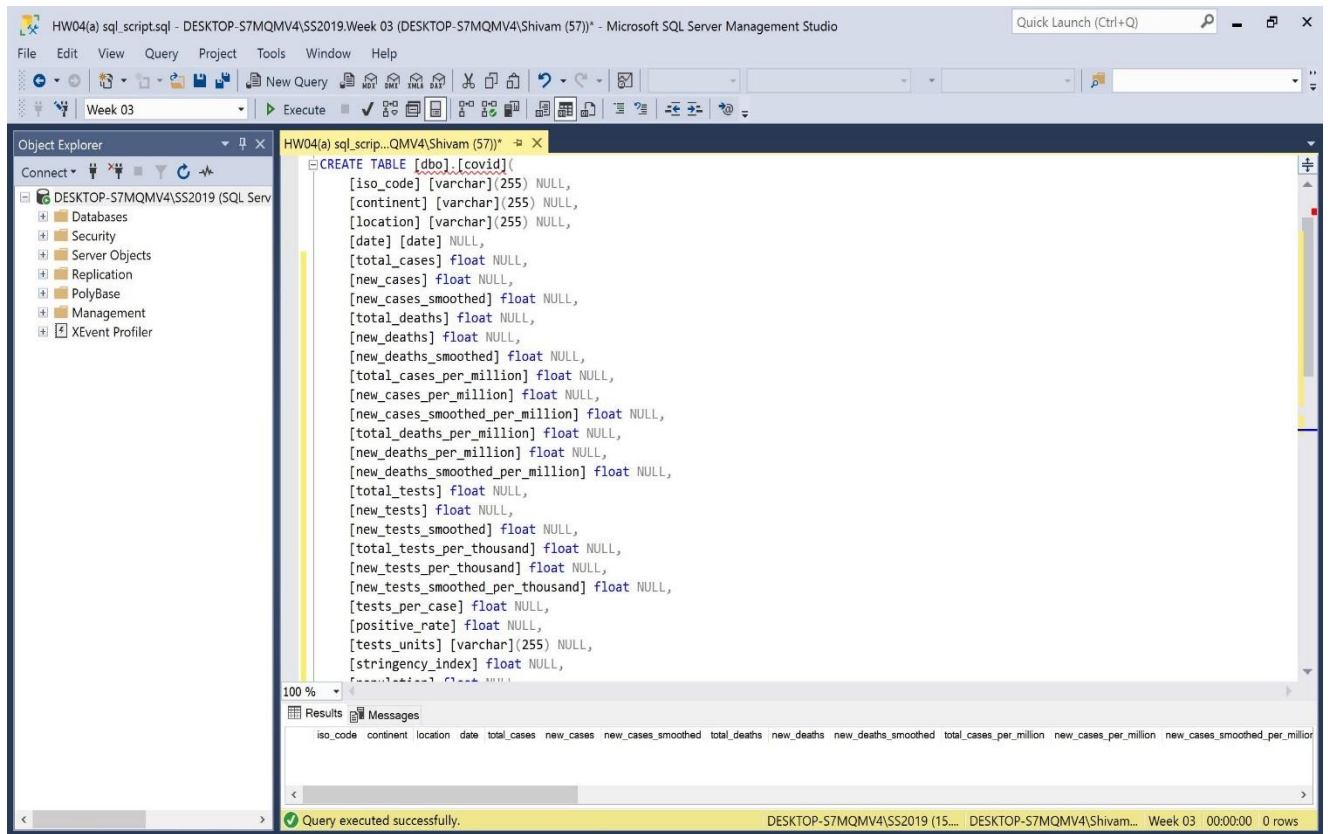
HW 04 (a) DWBI- 7290

Shivam Verma

Create Table Script:

```
CREATE TABLE [dbo].[covid](
    [iso_code] [varchar](255) NULL,
    [continent] [varchar](255) NULL,
    [location] [varchar](255) NULL,
    [date] [date] NULL,
    [total_cases] float NULL,
    [new_cases] float NULL,
    [new_cases_smoothed] float NULL,
    [total_deaths] float NULL,
    [new_deaths] float NULL,
    [new_deaths_smoothed] float NULL,
    [total_cases_per_million] float NULL,
    [new_cases_per_million] float NULL,
    [new_cases_smoothed_per_million] float NULL,
    [total_deaths_per_million] float NULL,
    [new_deaths_per_million] float NULL,
    [new_deaths_smoothed_per_million] float NULL,
    [total_tests] float NULL,
    [new_tests] float NULL,
    [new_tests_smoothed] float NULL,
    [total_tests_per_thousand] float NULL,
    [new_tests_per_thousand] float NULL,
    [new_tests_smoothed_per_thousand] float NULL,
    [tests_per_case] float NULL,
    [positive_rate] float NULL,
    [tests_units] [varchar](255) NULL,
    [stringency_index] float NULL,
    [population] float NULL,
    [population_density] float NULL,
    [median_age] float NULL,
    [aged_65_older] float NULL,
    [aged_70_older] float NULL,
    [gdp_per_capita] float NULL,
    [extreme_poverty] float NULL,
    [cardiovasc_death_rate] float NULL,
    [diabetes_prevalence] float NULL,
    [female_smokers] float NULL,
    [male_smokers] float NULL,
    [handwashing_facilities] float NULL,
    [hospital_beds_per_thousand] float NULL,
    [life_expectancy] float NULL,
    [human_development_index] float NULL
) ON [PRIMARY]
GO
```

Screenshot of Create Table Command in SQL Server Management Studio:



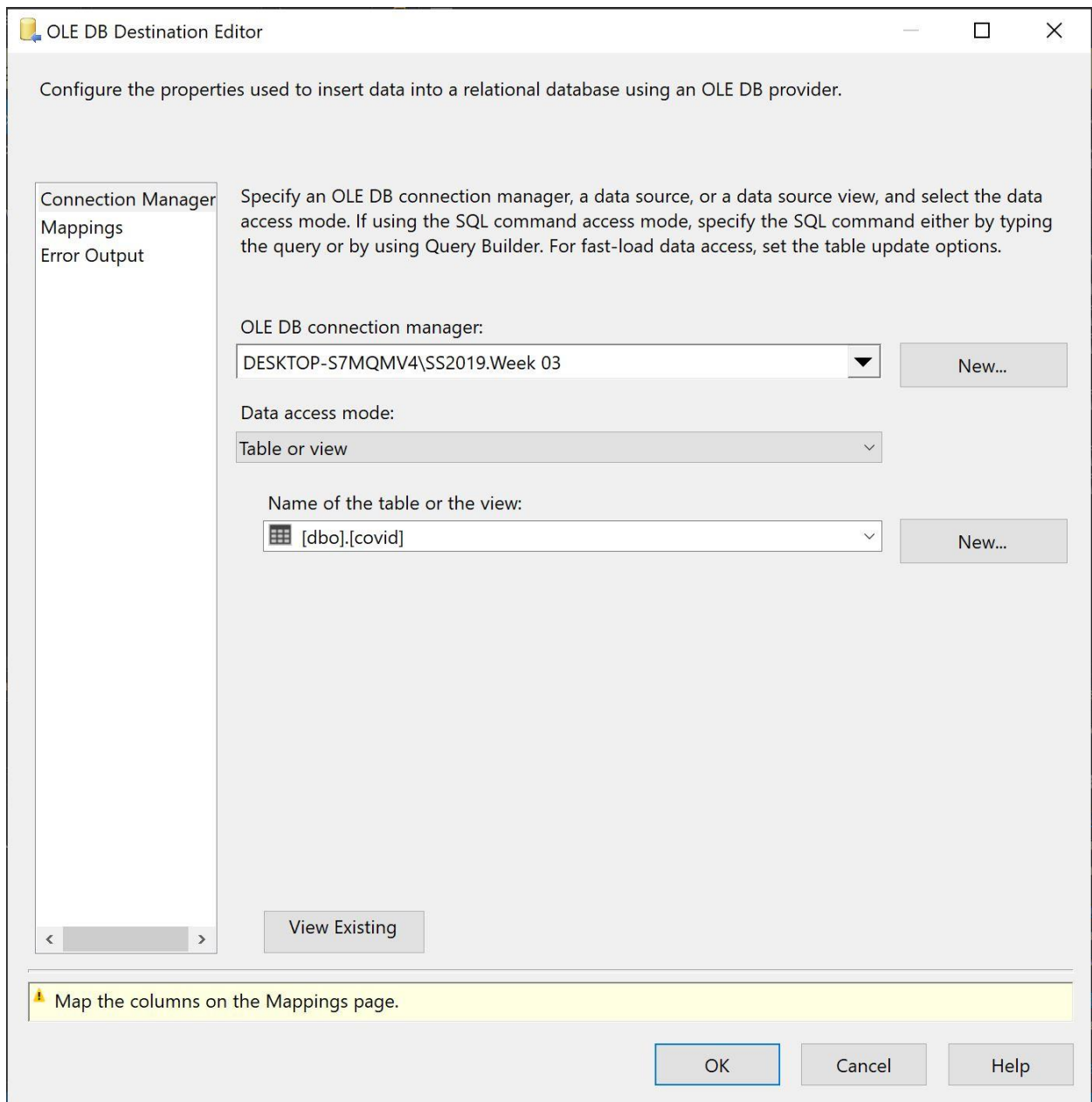
Screenshot of Adding Flat file as source:

The screenshot shows the 'Flat File Connection Manager Editor' dialog box. It has a title bar with a minimize button, a maximize button (disabled), and a close button. The dialog is divided into a left sidebar and a main content area. The sidebar contains four tabs: 'General' (selected), 'Columns', 'Advanced', and 'Preview'. The main content area has the following fields and controls:

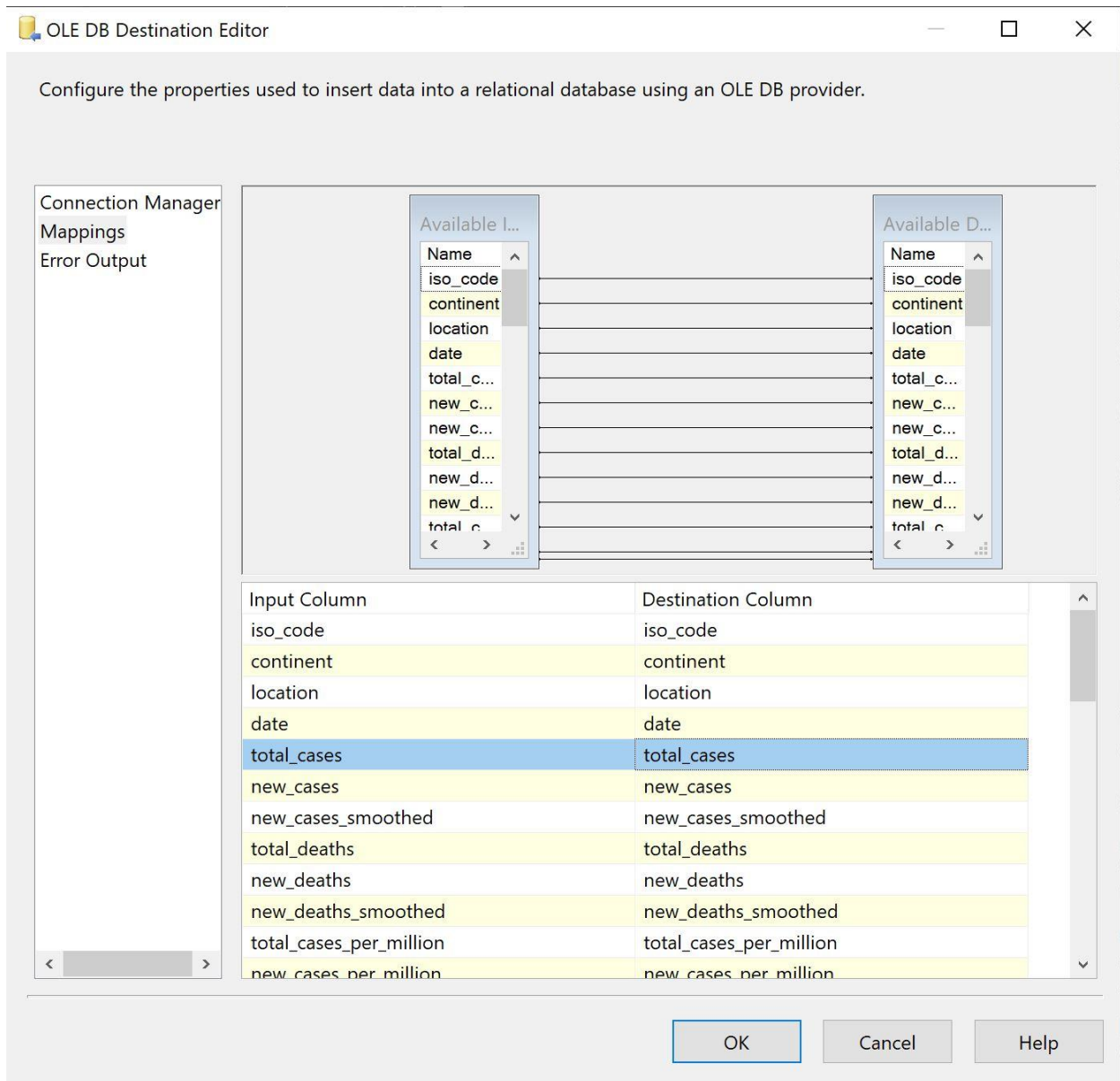
- Connection manager name:** A text box containing 'Flat File Connection Manager'.
- Description:** An empty text box.
- Select a file and specify the file properties and the file format.** A section header.
- File name:** A text box containing 'C:\Users\Shivam\Downloads\owid-covid' and a 'Browse...' button.
- Locale:** A dropdown menu set to 'English (United States)' and an unchecked 'Unicode' checkbox.
- Code page:** A dropdown menu set to '1252 (ANSI - Latin I)'.
- Format:** A dropdown menu set to 'Delimited'.
- Text qualifier:** A text box containing '<none>'.
- Header row delimiter:** A dropdown menu set to '{CR}{LF}'.
- Header rows to skip:** A text box containing '0' and a small up/down arrow control.
- Column names in the first data row:** A checked checkbox.

At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Help'.

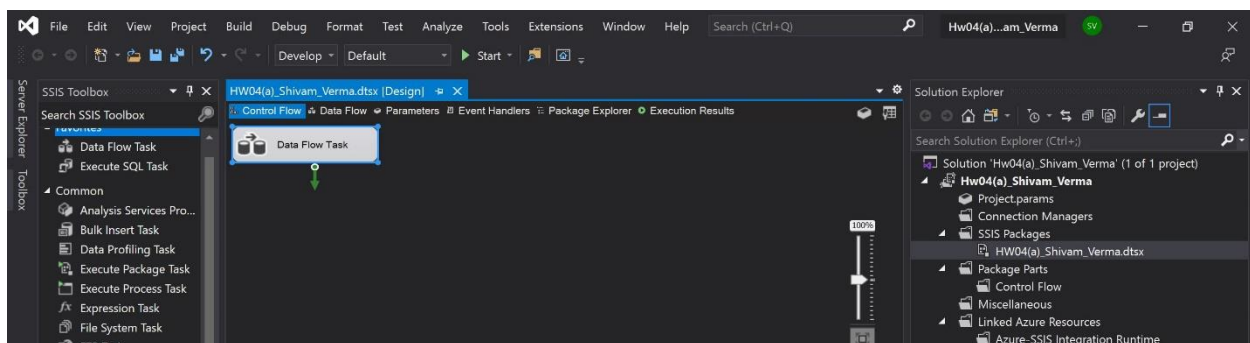
Screenshot of adding OLE DB as destination:



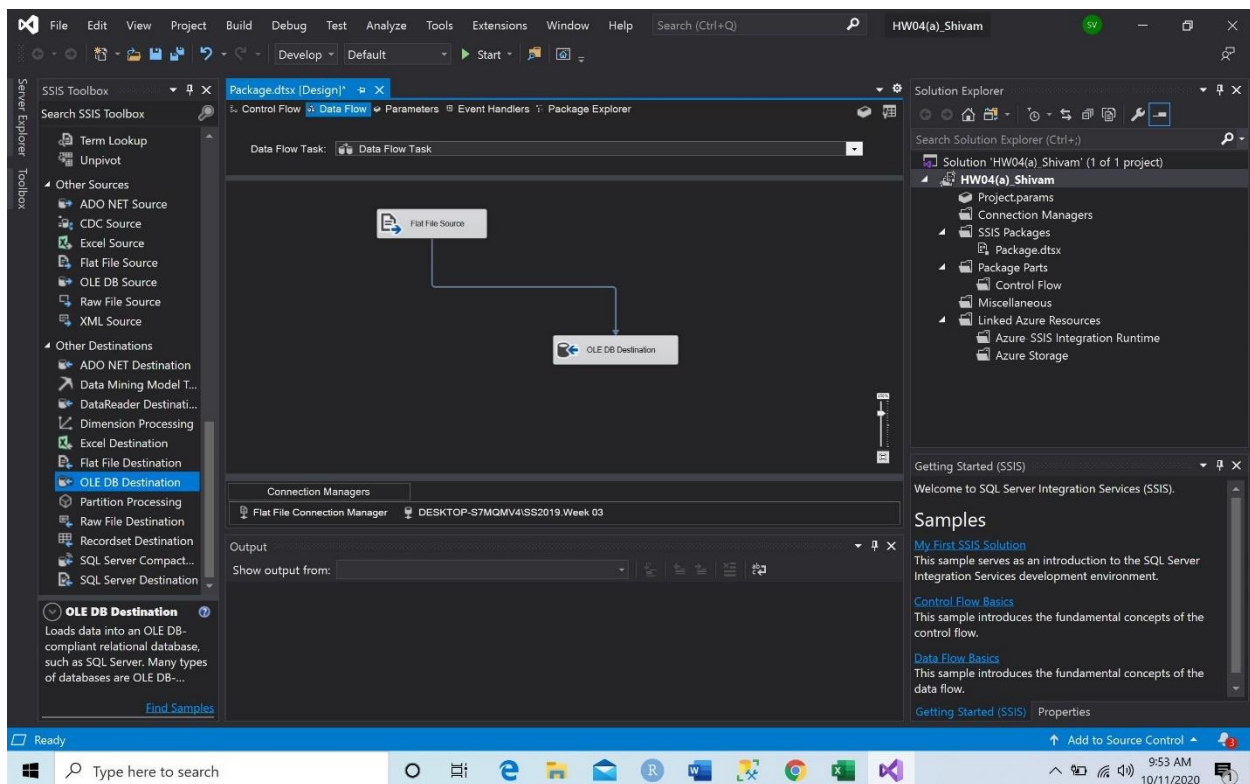
Screenshot to show columns are mapped accurately:



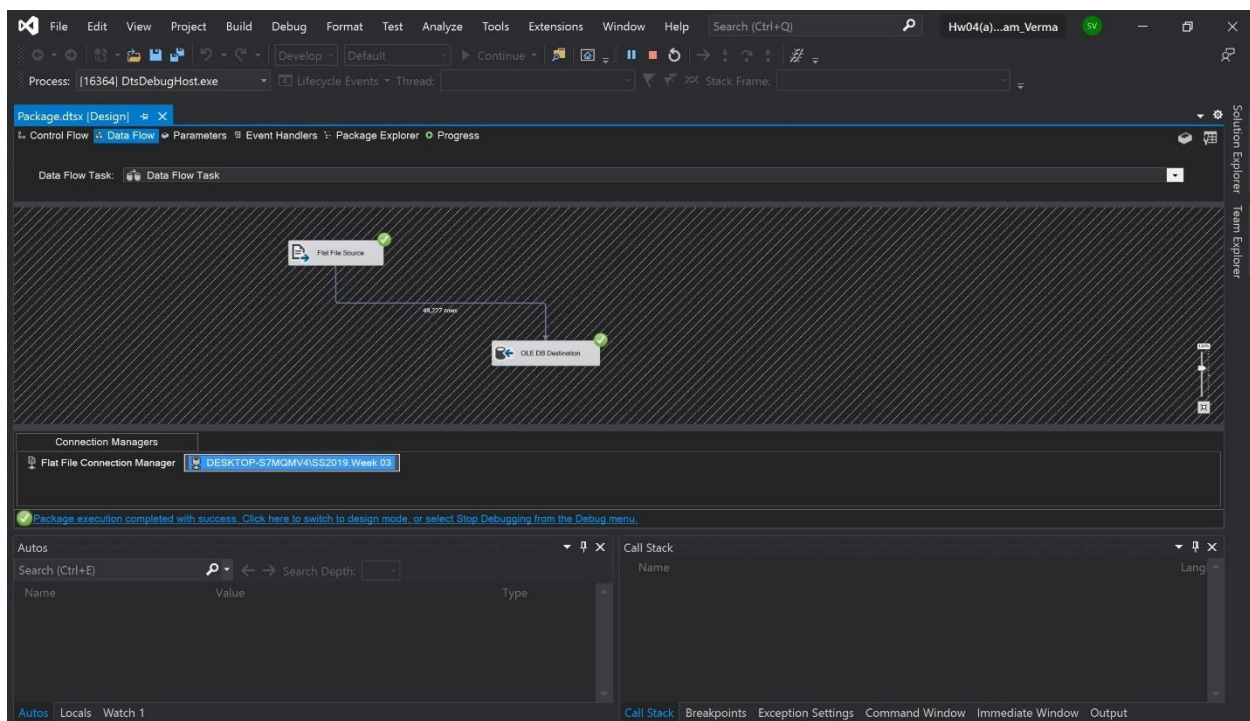
Screenshot of Control Flow:



Screenshot of Data flow:



Screenshot of Package executed successfully:



Screenshot of data populated into table using SSIS:

The screenshot shows the Microsoft SQL Server Management Studio interface. The query window displays the following SQL statement:

```
Select * from [dbo].[covid];
```

The results pane shows 31 rows of data. The columns are: iso_code, continent, location, date, total_cases, new_cases, new_cases_smoothed, total_deaths, new_deaths, new_deaths_smoothed, total_cases_per_million, new_cases_per_million, and new_cases_smoothed. The data represents COVID-19 statistics for Afghanistan from December 31, 2019, to January 30, 2020.

	iso_code	continent	location	date	total_cases	new_cases	new_cases_smoothed	total_deaths	new_deaths	new_deaths_smoothed	total_cases_per_million	new_cases_per_million	new_cases_smoothed
1	AFG	Asia	Afghanistan	2019-12-31	0	0	0	0	0	0	0	0	0
2	AFG	Asia	Afghanistan	2020-01-01	0	0	0	0	0	0	0	0	0
3	AFG	Asia	Afghanistan	2020-01-02	0	0	0	0	0	0	0	0	0
4	AFG	Asia	Afghanistan	2020-01-03	0	0	0	0	0	0	0	0	0
5	AFG	Asia	Afghanistan	2020-01-04	0	0	0	0	0	0	0	0	0
6	AFG	Asia	Afghanistan	2020-01-05	0	0	0	0	0	0	0	0	0
7	AFG	Asia	Afghanistan	2020-01-06	0	0	0	0	0	0	0	0	0
8	AFG	Asia	Afghanistan	2020-01-07	0	0	0	0	0	0	0	0	0
9	AFG	Asia	Afghanistan	2020-01-08	0	0	0	0	0	0	0	0	0
10	AFG	Asia	Afghanistan	2020-01-09	0	0	0	0	0	0	0	0	0
11	AFG	Asia	Afghanistan	2020-01-10	0	0	0	0	0	0	0	0	0
12	AFG	Asia	Afghanistan	2020-01-11	0	0	0	0	0	0	0	0	0
13	AFG	Asia	Afghanistan	2020-01-12	0	0	0	0	0	0	0	0	0
14	AFG	Asia	Afghanistan	2020-01-13	0	0	0	0	0	0	0	0	0
15	AFG	Asia	Afghanistan	2020-01-14	0	0	0	0	0	0	0	0	0
16	AFG	Asia	Afghanistan	2020-01-15	0	0	0	0	0	0	0	0	0
17	AFG	Asia	Afghanistan	2020-01-16	0	0	0	0	0	0	0	0	0
18	AFG	Asia	Afghanistan	2020-01-17	0	0	0	0	0	0	0	0	0
19	AFG	Asia	Afghanistan	2020-01-18	0	0	0	0	0	0	0	0	0
20	AFG	Asia	Afghanistan	2020-01-19	0	0	0	0	0	0	0	0	0
21	AFG	Asia	Afghanistan	2020-01-20	0	0	0	0	0	0	0	0	0
22	AFG	Asia	Afghanistan	2020-01-21	0	0	0	0	0	0	0	0	0
23	AFG	Asia	Afghanistan	2020-01-22	0	0	0	0	0	0	0	0	0
24	AFG	Asia	Afghanistan	2020-01-23	0	0	0	0	0	0	0	0	0
25	AFG	Asia	Afghanistan	2020-01-24	0	0	0	0	0	0	0	0	0
26	AFG	Asia	Afghanistan	2020-01-25	0	0	0	0	0	0	0	0	0
27	AFG	Asia	Afghanistan	2020-01-26	0	0	0	0	0	0	0	0	0
28	AFG	Asia	Afghanistan	2020-01-27	0	0	0	0	0	0	0	0	0
29	AFG	Asia	Afghanistan	2020-01-28	0	0	0	0	0	0	0	0	0
30	AFG	Asia	Afghanistan	2020-01-29	0	0	0	0	0	0	0	0	0
31	AFG	Asia	Afghanistan	2020-01-30	0	0	0	0	0	0	0	0	0

The status bar at the bottom indicates: Query executed successfully. DESKTOP-S7MQMV4\SS2019 (15... DESKTOP-S7MQMV4\Shivam... Week 03 00:00:00 49,227 rows