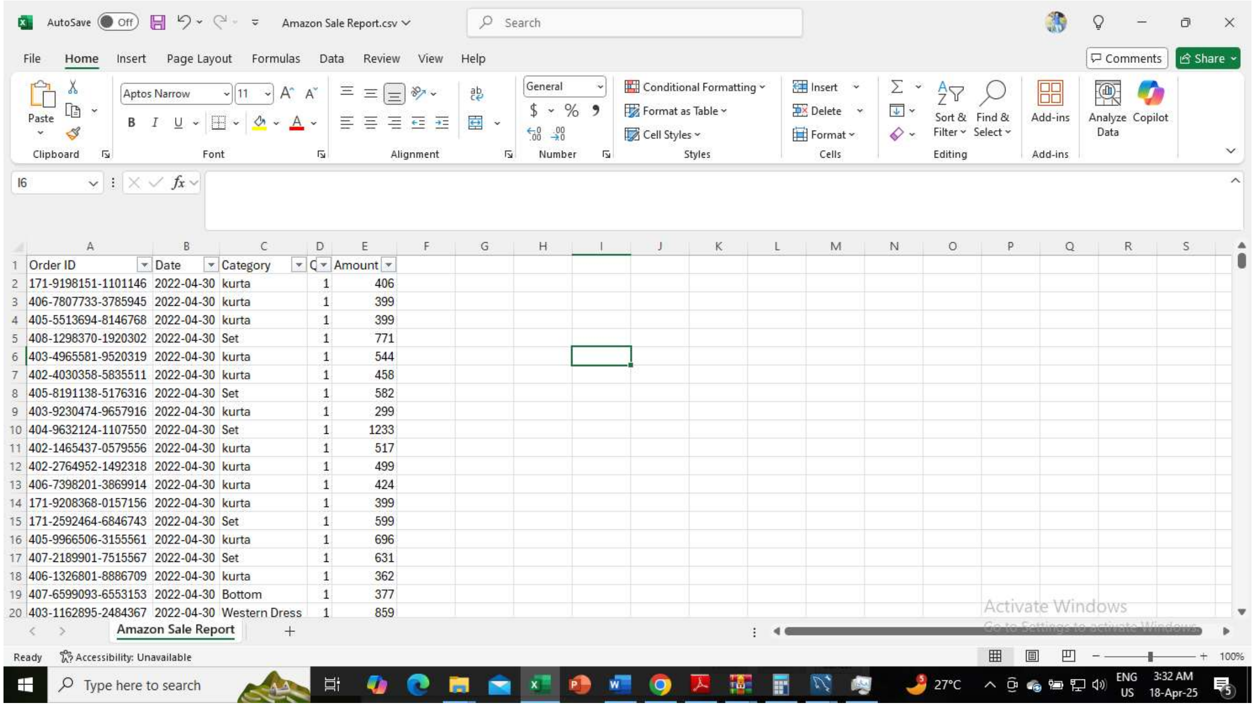
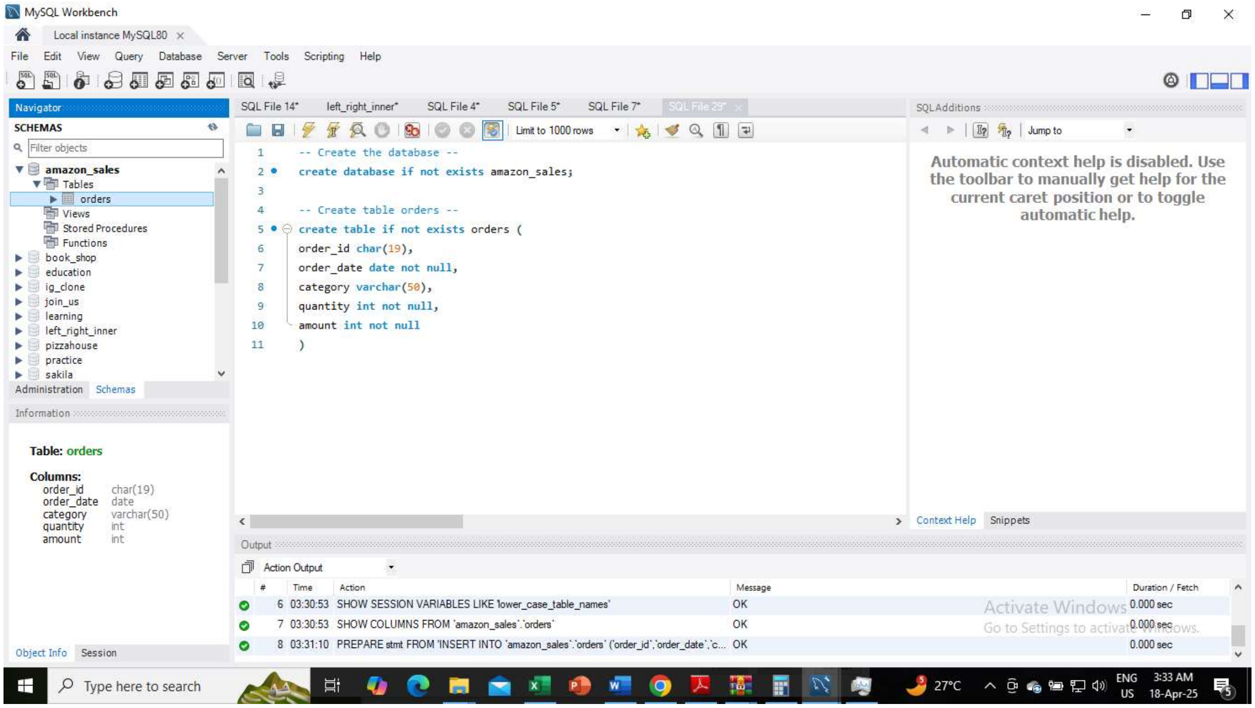
This is the glimpse of the dataset which will be imported to the MySQL server.



Order ID	Date	Category	Q	Amount
171-9198151-1101146	2022-04-30	kurta	1	406
406-7807733-3785945	2022-04-30	kurta	1	399
405-5513694-8146768	2022-04-30	kurta	1	399
408-1298370-1920302	2022-04-30	Set	1	771
403-4965581-9520319	2022-04-30	kurta	1	544
402-4030358-5835511	2022-04-30	kurta	1	458
405-8191138-5176316	2022-04-30	Set	1	582
403-9230474-9657916	2022-04-30	kurta	1	299
404-9632124-1107550	2022-04-30	Set	1	1233
402-1465437-0579556	2022-04-30	kurta	1	517
402-2764952-1492318	2022-04-30	kurta	1	499
406-7398201-3869914	2022-04-30	kurta	1	424
171-9208368-0157156	2022-04-30	kurta	1	399
171-2592464-6846743	2022-04-30	Set	1	599
405-9966506-3155561	2022-04-30	kurta	1	696
407-2189901-7515567	2022-04-30	Set	1	631
406-1326801-8886709	2022-04-30	kurta	1	362
407-6599093-6553153	2022-04-30	Bottom	1	377
403-1162895-2484367	2022-04-30	Western Dress	1	859

Before importing the data, the database and orders table are created.



```
-- Create the database --
create database if not exists amazon_sales;

-- Create table orders --
create table if not exists orders (
order_id char(19),
order_date date not null,
category varchar(50),
quantity int not null,
amount int not null
)
```

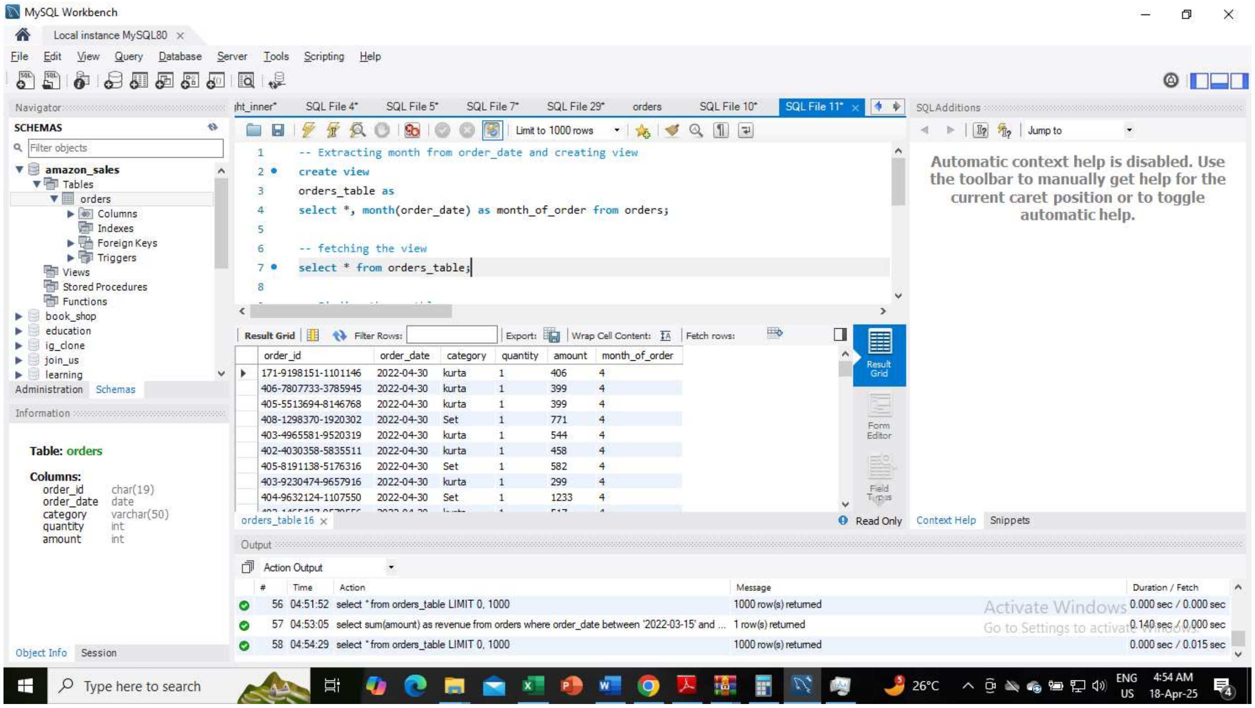
Table: orders

Columns:

order_id	char(19)
order_date	date
category	varchar(50)
quantity	int
amount	int

```
#  Time      Action                                                                     Message  Duration / Fetch
6  03:30:53  SHOW SESSION VARIABLES LIKE 'lower_case_table_names'                        OK       0.000 sec
7  03:30:53  SHOW COLUMNS FROM 'amazon_sales'.'orders'                                   OK       0.000 sec
8  03:31:10  PREPARE stmt FROM 'INSERT INTO 'amazon_sales'.'orders' ('order_id','order_date','c...  OK  0.000 sec
```

After importing the data, we created a view where an additional column is there to showcase the month of sales. Also, this view is fetched as shown in the picture below.



```sql
-- Extracting month from order_date and creating view
create view
orders_table as
select *, month(order_date) as month_of_order from orders;

-- fetching the view
select * from orders_table;
```

order_id	order_date	category	quantity	amount	month_of_order
171-9198151-1101146	2022-04-30	kurta	1	406	4
406-7807733-3785945	2022-04-30	kurta	1	399	4
405-5513694-8146768	2022-04-30	kurta	1	399	4
408-1298370-1920302	2022-04-30	Set	1	771	4
403-4965581-9520319	2022-04-30	kurta	1	544	4
402-4030358-5835511	2022-04-30	kurta	1	458	4
405-8191138-5176316	2022-04-30	Set	1	582	4
403-9230474-9657916	2022-04-30	kurta	1	299	4
404-9632124-1107550	2022-04-30	Set	1	1233	4

Table: orders

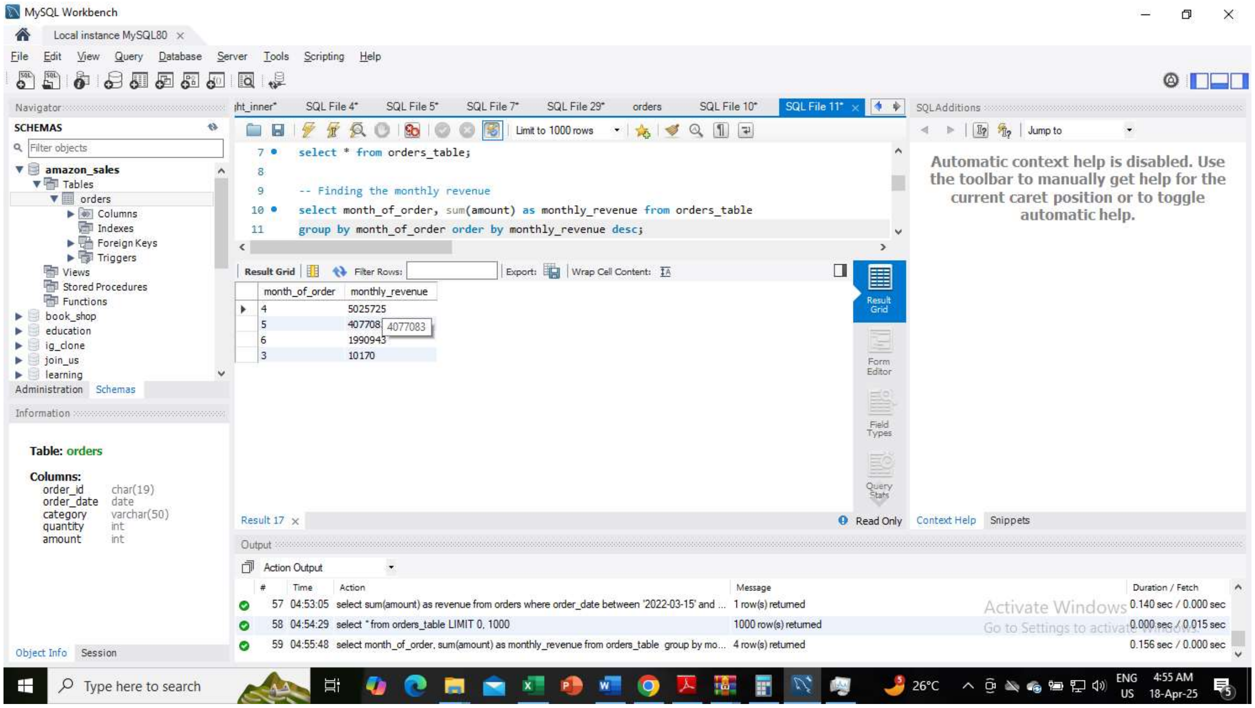
Columns:

order_id	char(19)
order_date	date
category	varchar(50)
quantity	int
amount	int

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
#   Time      Action                                                                               Message               Duration / Fetch
56  04:51:52  select * from orders_table LIMIT 0, 1000                                             1000 row(s) returned  0.000 sec / 0.000 sec
57  04:53:05  select sum(amount) as revenue from orders where order_date between '2022-03-15' and ...  1 row(s) returned     0.140 sec / 0.000 sec
58  04:54:29  select * from orders_table LIMIT 0, 1000                                             1000 row(s) returned  0.000 sec / 0.015 sec
```

From the view of orders_table, monthly sales-revenue is found out using the code shown below-



```
select * from orders_table;

-- Finding the monthly revenue
select month_of_order, sum(amount) as monthly_revenue from orders_table
group by month_of_order order by monthly_revenue desc;
```

month_of_order	monthly_revenue
4	5025725
5	4077083
6	1990943
3	10170

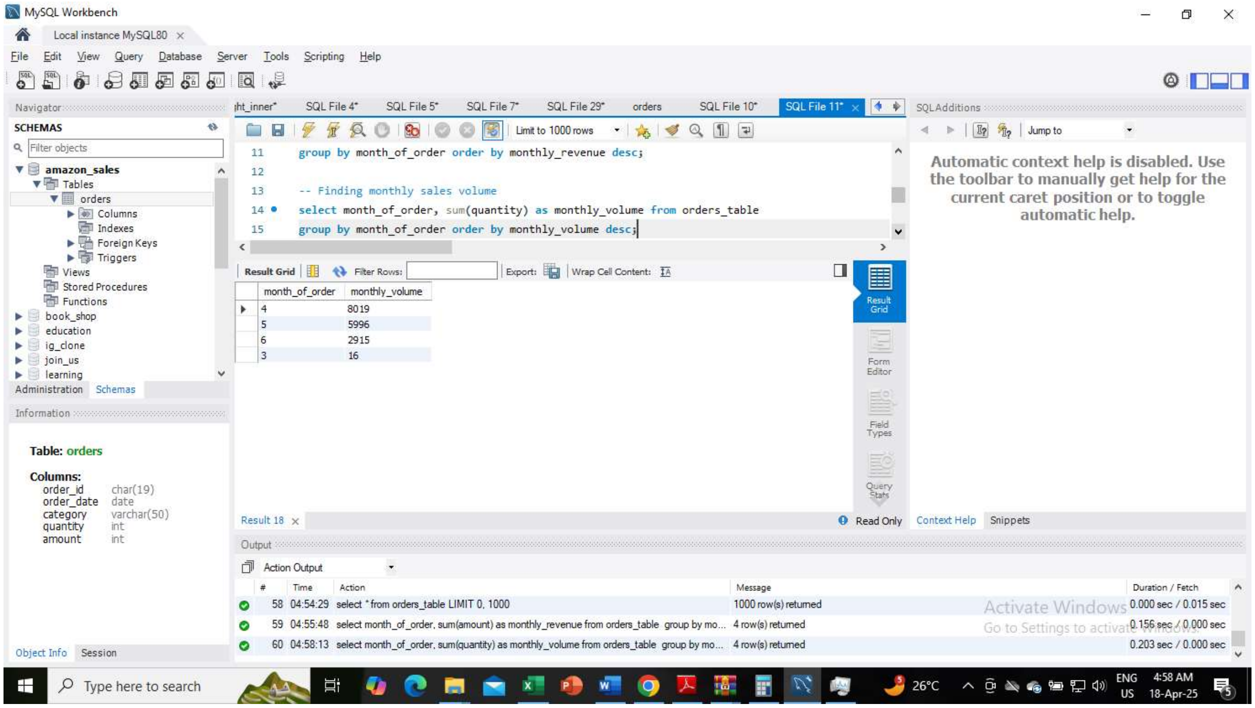
```
#   Time      Action                                                                              Message               Duration / Fetch
57  04:53:05  select sum(amount) as revenue from orders where order_date between '2022-03-15' and ...  1 row(s) returned     0.140 sec / 0.000 sec
58  04:54:29  select * from orders_table LIMIT 0, 1000                                            1000 row(s) returned  0.000 sec / 0.015 sec
59  04:55:48  select month_of_order, sum(amount) as monthly_revenue from orders_table  group by mo...  4 row(s) returned     0.156 sec / 0.000 sec
```

Table: orders

Columns:
order_id char(19)
order_date date
category varchar(50)
quantity int
amount int

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Similarly we can check the monthly sales volume.



```
group by month_of_order order by monthly_revenue desc;

-- Finding monthly sales volume
select month_of_order, sum(quantity) as monthly_volume from orders_table
group by month_of_order order by monthly_volume desc;
```

month_of_order	monthly_volume
4	8019
5	5996
6	2915
3	16

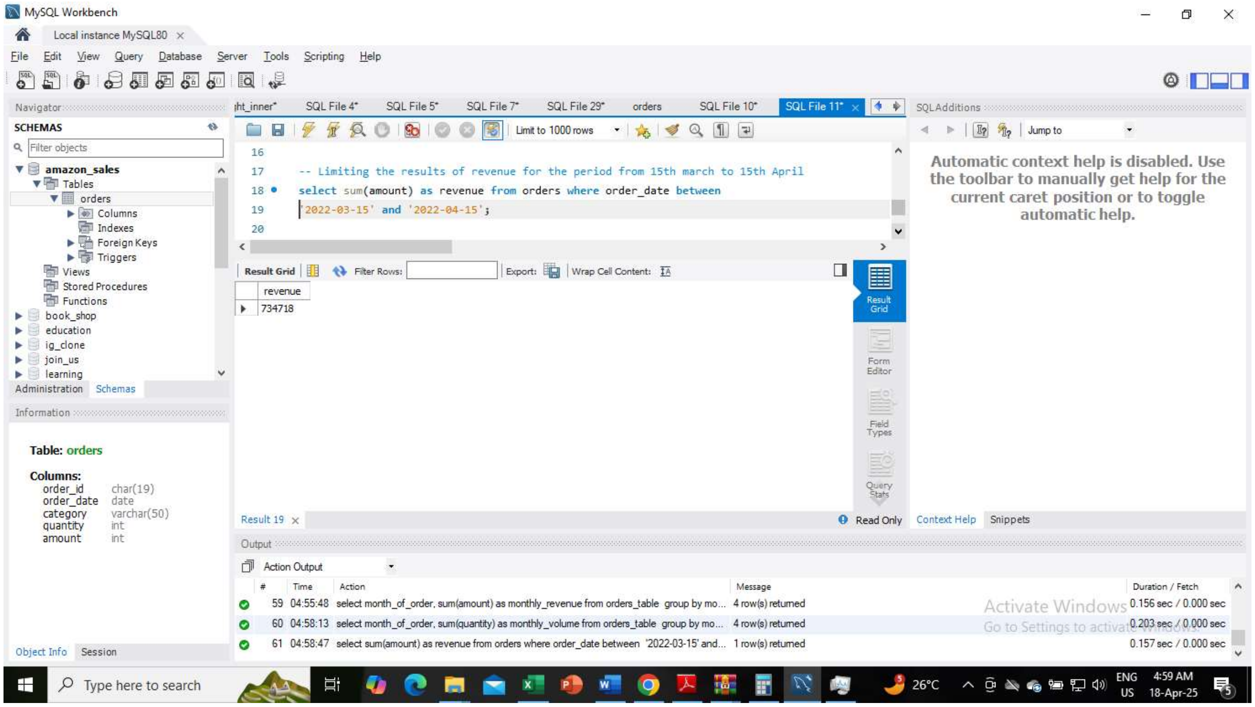
```
#   Time      Action                                                                              Message               Duration / Fetch
58  04:54:29  select * from orders_table LIMIT 0, 1000                                            1000 row(s) returned  0.000 sec / 0.015 sec
59  04:55:48  select month_of_order, sum(amount) as monthly_revenue from orders_table  group by mo...  4 row(s) returned     0.156 sec / 0.000 sec
60  04:58:13  select month_of_order, sum(quantity) as monthly_volume from orders_table  group by mo...  4 row(s) returned     0.203 sec / 0.000 sec
```

Table: orders

Columns:
order_id char(19)
order_date date
category varchar(50)
quantity int
amount int

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Also, we have shown below the revenue generated within the range of period



```
-- Limiting the results of revenue for the period from 15th march to 15th April
select sum(amount) as revenue from orders where order_date between
'2022-03-15' and '2022-04-15';
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
revenue
734718
```

Table: orders

Columns:

```
order_id     char(19)
order_date   date
category     varchar(50)
quantity     int
amount       int
```

```
#   Time      Action                                                                          Message            Duration / Fetch
59  04:55:48  select month_of_order, sum(amount) as monthly_revenue from orders_table  group by mo...  4 row(s) returned  0.156 sec / 0.000 sec
60  04:58:13  select month_of_order, sum(quantity) as monthly_volume from orders_table  group by mo...  4 row(s) returned  0.203 sec / 0.000 sec
61  04:58:47  select sum(amount) as revenue from orders where order_date between  '2022-03-15' and...  1 row(s) returned  0.157 sec / 0.000 sec
```