

Object Explorer

Connect

SQLSERVER (SQL Server 16.0.1000 - M)

Databases

System Databases

Database Snapshots

Query_Banking

Database Diagrams

Tables

Views

External Resources

Synonyms

Programmability

Query Store

Service Broker

Storage

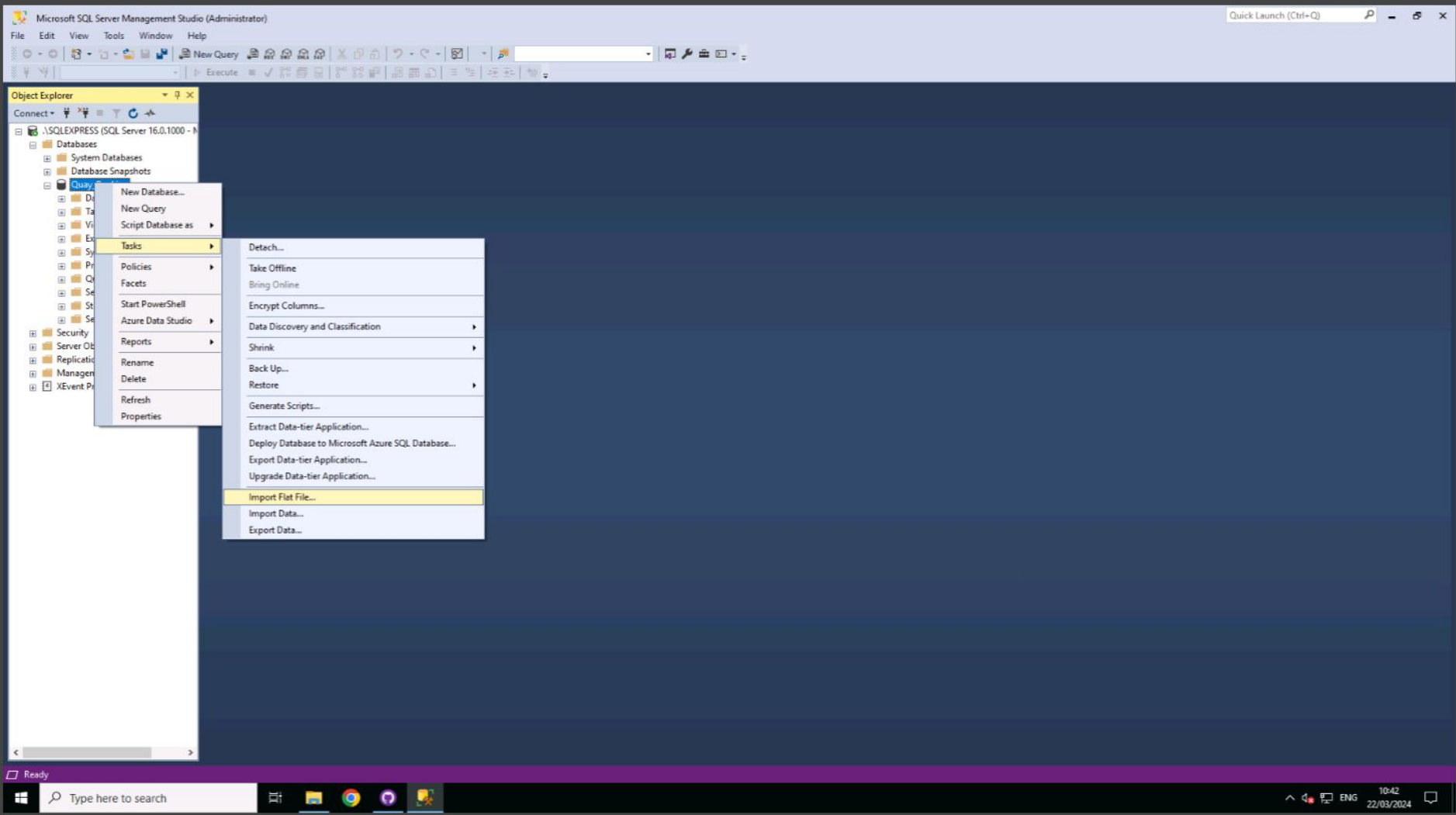
Security

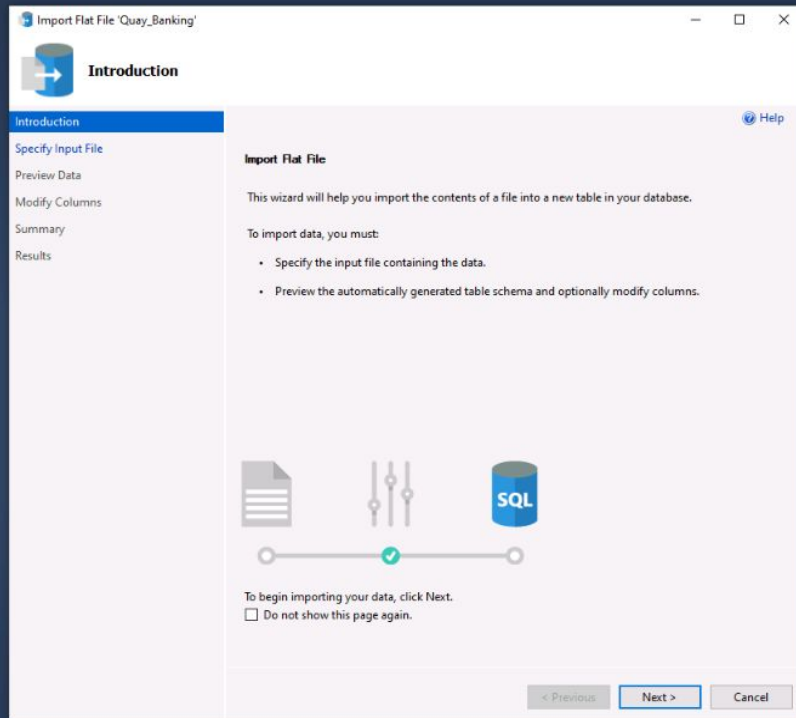
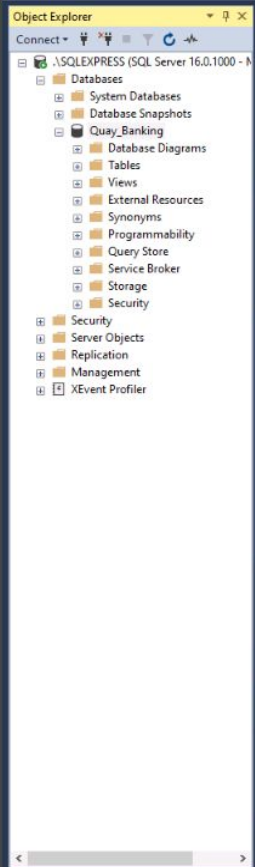
Server Objects

Replication

Management

XEvent Profiler





Object Explorer

Connect

- SQLSERVER (SQL Server 16.0.1000 - N)
- Databases
 - System Databases
 - Database Snapshots
 - Quay_Banking
 - Database Diagrams
 - Tables
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

Import Flat File 'Quay_Banking'

Specify Input File

Introduction [Help](#)

Specify Input File

This operation will create a table from your input file.

Location of file to be imported

C:\Users\Admin\Documents\GitHub\qa_repo\Sprint 2\CRM_Events.csv [Browse...](#)

New table name:

Events

Table schema:

dbo

< Previous Next > Cancel

Object Explorer

Connect

SQLSERVEREXPRESS (SQL Server 16.0.1000 - N)

- Databases
 - System Databases
 - Database Snapshots
 - Quay_Banking
 - Database Diagrams
 - Tables
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security
- Server Objects
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

Import Flat File 'Quay_Banking'

Preview Data

Introduction

Specify Input File

Preview Data

Modify Columns

Summary

Results

Help

Preview Data

This operation analyzed the input file structure to generate the preview below for up to the first 50 rows.

Index	Date_received	Product	Sub_product	Issue	Consur
1	03/07/2014	Bank account o...	Checking acco...	Deposits and wi...	
2	12/04/2012	Bank account o...	Savings account	Account openi...	
3	03/04/2012	Bank account o...	Checking acco...	Account openi...	
4	14/03/2012	Credit card		Billing disputes	
5	05/03/2012	Bank account o...	Checking acco...	Account openi...	
6	05/03/2012	Bank account o...	Checking acco...	Problems cause...	
7	23/02/2012	Credit card		Other fee	
8	07/12/2011	Credit card		Collection debt...	
9	27/03/2017	Bank account o...	Other bank pro...	Deposits and wi...	
10	21/03/2017	Credit card		Other	
11	20/03/2017	Bank account o...	Other bank pro...	Account openi...	
12	07/03/2017	Bank account o...	Other bank pro...	Deposits and wi...	
13	03/03/2017	Bank account o...	Checking acco...	Account openi...	
14	02/03/2017	Credit card		Identity theft / ...	
15	21/02/2017	Bank account o...	Savings account	Deposits and wi...	

Column names changed due to invalid characters, duplication, etc. Column names can be edited in Modify Columns page.

☒ Use Rich Data Type Detection - may provide a closer type fit. However, cells with anomalous values may be dropped.

< Previous Next > Cancel

Microsoft SQL Server Management Studio (Administrator)

Quick Launch (Ctrl+Q)

FileEditViewToolsWindowHelp

New Query

Execute

Object Explorer

Connect

.\SQLEXPRESS (SQL Server 16.0.1000 - N)

Databases

System Databases

Database Snapshots

Quay_Banking

Database Diagrams

Tables

Views

External Resources

Synonyms

Programmability

Query Store

Service Broker

Storage

Security

Security

Server Objects

Replication

Management

XEvent Profiler

Import Flat File 'Quay_Banking'

Modify Columns

Introduction

Specify Input File

Preview Data

Modify Columns

Summary

Results

Help

Modify Columns

This operation generated the following table schema. Please verify if schema is accurate, and if not, please make any changes.

Column Name	Data Type	Primary Key	Allow Nulls
Index	int	<input type="checkbox"/>	<input type="checkbox"/>
Date_received	date	<input type="checkbox"/>	<input type="checkbox"/>
Product	nvarchar(50)	<input type="checkbox"/>	<input type="checkbox"/>
Sub_product	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Issue	nvarchar(50)	<input type="checkbox"/>	<input type="checkbox"/>
Consumer_complaint_narrative	nvarchar(1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tags	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Consumer_consent_provided	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Submitted_via	nvarchar(50)	<input type="checkbox"/>	<input type="checkbox"/>
Date_sent_to_company	date	<input type="checkbox"/>	<input type="checkbox"/>
Company_response_to_consumer	nvarchar(50)	<input type="checkbox"/>	<input type="checkbox"/>
Timely_response	bit	<input type="checkbox"/>	<input type="checkbox"/>
Consumer_disputed	bit	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Complaint_ID	nvarchar(50)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Client_ID	nvarchar(50)	<input type="checkbox"/>	<input type="checkbox"/>

Row granularity of error reporting (performance impact with smaller ranges)

No Range

< Previous

Next >

Cancel

Ready

Type here to search

10:47

22/03/2024

Object Explorer

Connect

- SQLSERVER (SQL Server 16.0.1000 - N)
- Databases
 - System Databases
 - Database Snapshots
 - Quay_Banking
 - Database Diagrams
 - Tables
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security
- Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

Import Flat File 'Quay_Banking'

Results

Introduction [Help](#)

Specify Input File

Preview Data

Modify Columns

Summary

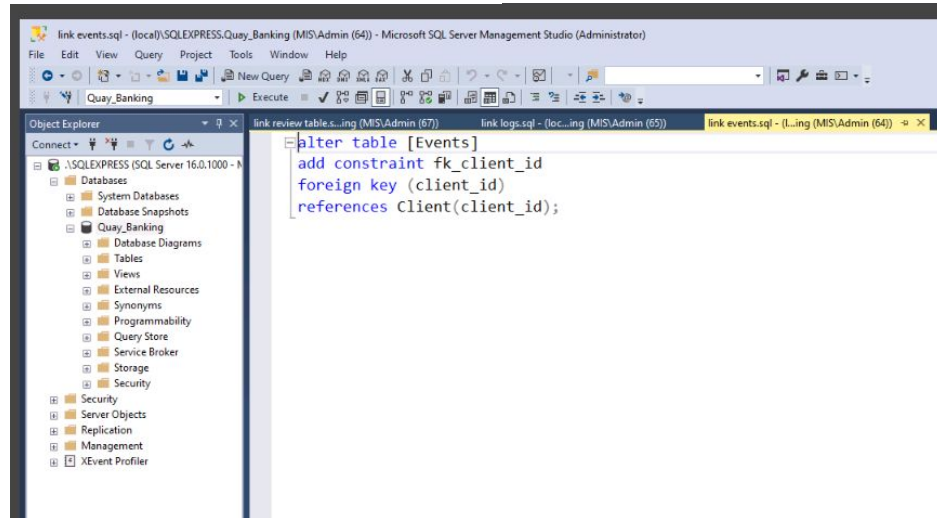
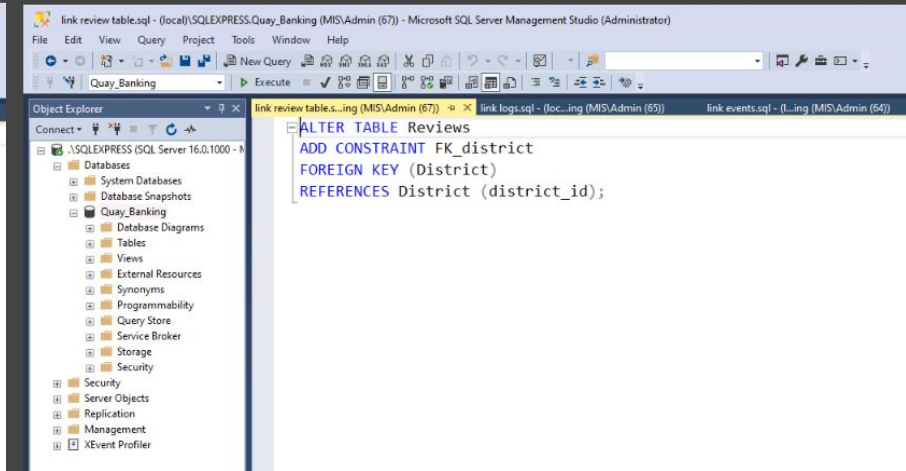
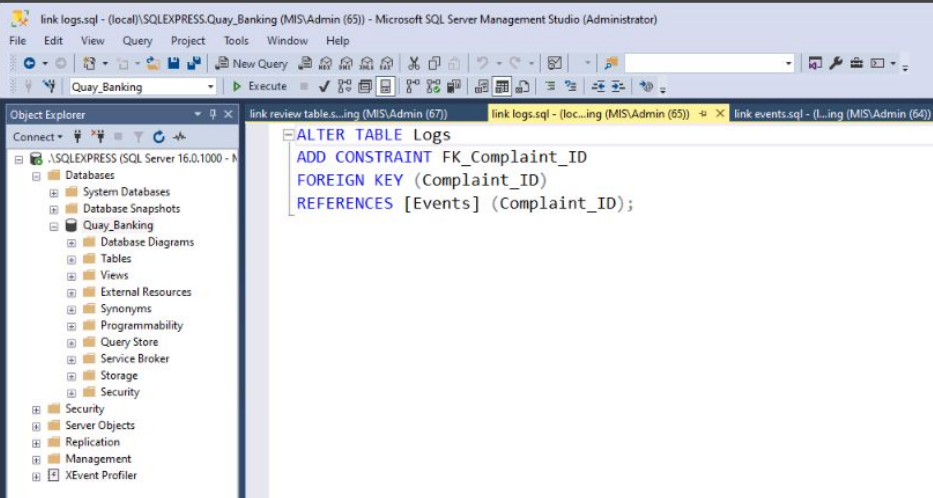
Results

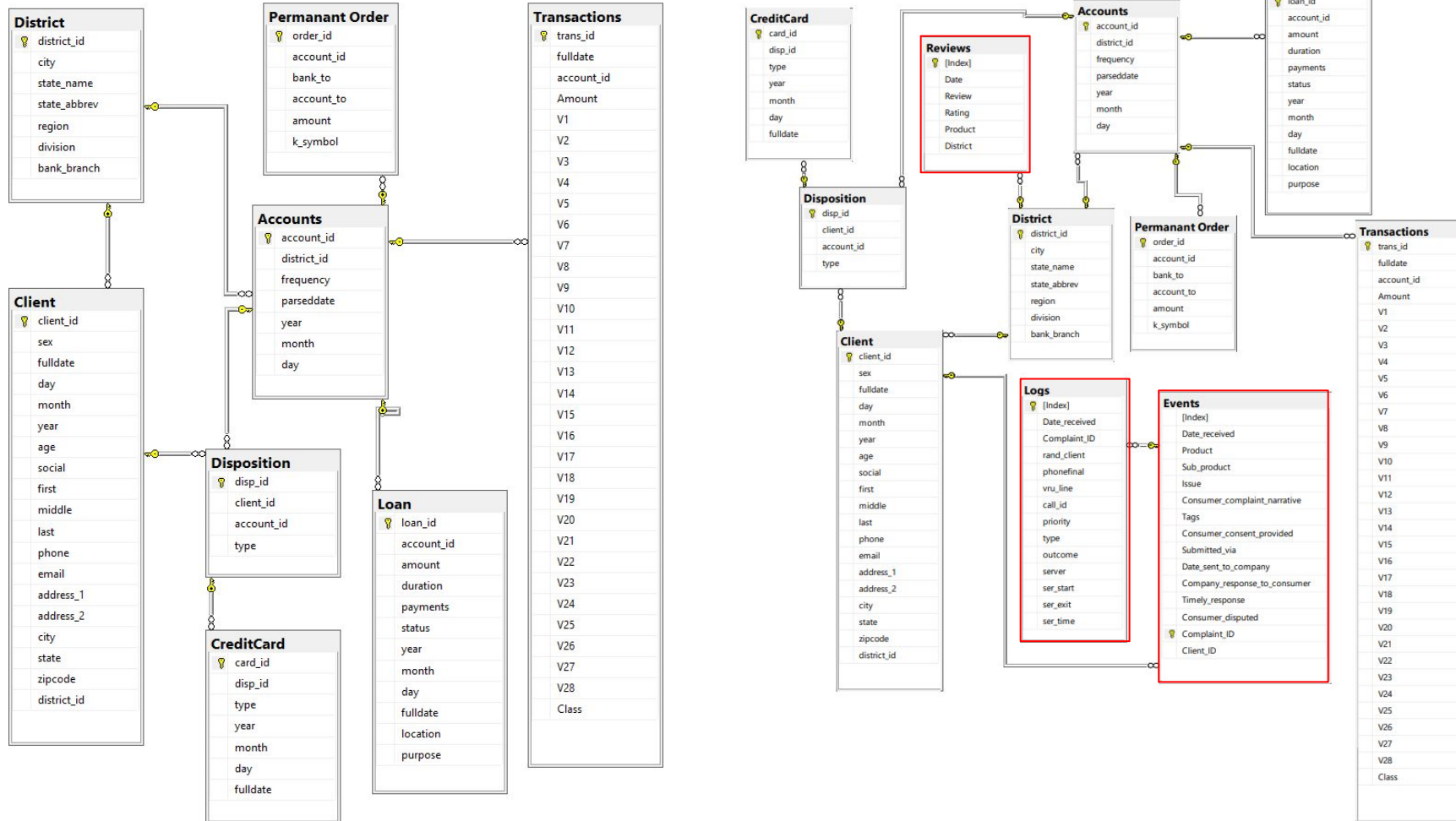
Operation Complete

Summary:

Name	Result
Insert Data	Success

< Previous Next > Close





Which 20% of branches are underperforming? – evident in “closed complaints without relief” and negative customer service feedback

```
select top 20 percent
    D.bank_branch,
    (count(distinct(E.[Index])) + (count(distinct(R.[Index]))) as Number_of_complaints
from
    Events as E
join
    Client as C
on
    E.Client_ID = C.client_id
join
    District as D
on
    C.district_id = D.district_id
join
    Reviews as R
on
    D.district_id = R.District
where
    E.Company_response_to_consumer = 'Closed without relief' and
    R.Rating = 1
group by
    D.bank_branch
order by
    Number_of_complaints desc
```

	bank_branch	Number_of_complaints
1	Quincy Quay	213
2	Quay Portland of Maine	199
3	New Britain Quay	199
4	Atlanta State Quay	196
5	Quay Warwick	194
6	Quay Manhattan	193
7	Milwaukee Central Quay	183
8	Lawrence Quay branch	179
9	Newton Quay	140
10	Quay Chicago	136
11	Quay Anchorage	133
12	Quay Nachsville Main	131
13	Quay Las Vegas	130
14	Quay Sioux Falls	127
15	Quay Yonkers	127
16	Quay Manchester	126

Can we rank the Call Centre Servers' performance according to Call duration and outcome?

```
select
    L.server,
    replace(convert(varchar, CONVERT(time, dateadd(second, min(datediff(second, '00:00:00', L.ser_time)), '00:00:00')), 108), ':00:', ':') as Min_call_length,
    replace(convert(varchar, CONVERT(time, dateadd(second, avg(datediff(second, '00:00:00', L.ser_time)), '00:00:00')), 108), ':00:', ':') as Average_call_length,
    replace(convert(varchar, CONVERT(time, dateadd(second, max(datediff(second, '00:00:00', L.ser_time)), '00:00:00')), 108), ':00:', ':') as Max_call_length,
    sum(case when E.Company_response_to_consumer = 'Closed without relief' then 1 else 0 end) as Closed_without_relief,
    sum(case when E.Company_response_to_consumer = 'Untimely response' then 1 else 0 end) as Untimely_response,
    sum(case when E.Company_response_to_consumer = 'Closed with explanation' then 1 else 0 end) as Closed_with_explanation,
    sum(case when E.Company_response_to_consumer = 'Closed with relief' then 1 else 0 end) as Closed_with_relief,
    sum(case when E.Company_response_to_consumer = 'Closed with non-monetary relief' then 1 else 0 end) as Closed_with_non_monetary_relief,
    sum(case when E.Company_response_to_consumer = 'Closed with monetary relief' then 1 else 0 end) as Closed_with_monetary_relief,
    sum(case when E.Company_response_to_consumer = 'Closed' then 1 else 0 end) as Closed,
    sum(case when E.Company_response_to_consumer = 'In progress' then 1 else 0 end) as In_progress
from
    Logs as L
join
    Events as E
on
    L.Complaint_ID = E.Complaint_ID
group by
    server
order by
    Average_call_length desc
```

	server	Min_call_length	Average_call_length	Max_call_length	Closed_without_relief	Untimely_response	Closed_with_explanation	Closed_with_relief	Closed_with_non_monetary_relief	Closed_with_monetary_relief	Closed	In_progress
1	BENSON	00:31	00:12:45	00:28:05	4	0	69	4	8	14	1	0
2	GIU	00:34	00:12:43	00:28:59	1	1	53	1	7	11	1	0
3	MIKI	00:05	00:12:39	00:28:17	3	0	88	5	7	21	2	2
4	KAZAV	00:10	00:12:25	00:28:53	10	0	109	8	13	37	4	0
5	MORIAH	00:20	00:12:17	00:27:55	3	0	80	3	8	23	2	1
6	ANAT	00:12	00:12:09	00:27:52	5	0	65	4	6	17	2	1
7	TOVA	00:09	00:12:07	00:28:39	7	0	116	6	11	36	2	1
8	BASCH	00:00	00:11:58	00:25:44	3	0	70	3	3	23	3	0
9	AVIDAN	00:25	00:11:56	00:28:03	3	0	66	1	11	18	1	0
10	GELBER	00:03:28	00:11:53	00:16:58	0	0	4	0	1	2	0	0
11	MICHAL	00:16	00:11:46	00:26:51	3	0	79	5	6	20	1	1
12	NO_SERVER	00:22	00:11:44	00:27:42	1	0	29	3	7	9	1	0
13	DORIT	00:01	00:11:44	00:28:01	1	0	66	4	11	20	0	1
14	SHARON	00:13	00:11:37	00:28:22	6	0	111	6	10	24	1	0
15	SHLOMO	00:24	00:11:37	00:27:26	1	0	36	4	3	11	0	0
16	YIFAT	00:08	00:11:36	00:28:50	1	0	97	5	19	26	3	3
17	ELI	00:19	00:11:10	00:26:02	2	0	30	1	5	7	0	1
18	STEREN	00:02	00:11:05	00:27:32	6	0	72	4	4	17	2	2
19	IDIT	00:04	00:11:02	00:28:40	10	0	104	3	17	31	2	0
20	YITZ	00:07	00:11:00	00:28:15	6	0	94	4	12	22	5	0
21	DARMON	00:16	00:10:34	00:24:23	1	0	31	1	4	6	0	0
22	AVNI	00:14	00:10:19	00:27:06	3	2	105	5	9	21	3	0
23	NAAMA	00:01:07	00:10:06	00:20:52	0	0	23	1	3	4	0	0
24	ZOHARI	00:00	00:09:27	00:20:58	4	0	49	4	9	19	1	0
25	PINHAS	00:01:21	00:07:31	00:12:52	0	0	3	0	0	0	0	0