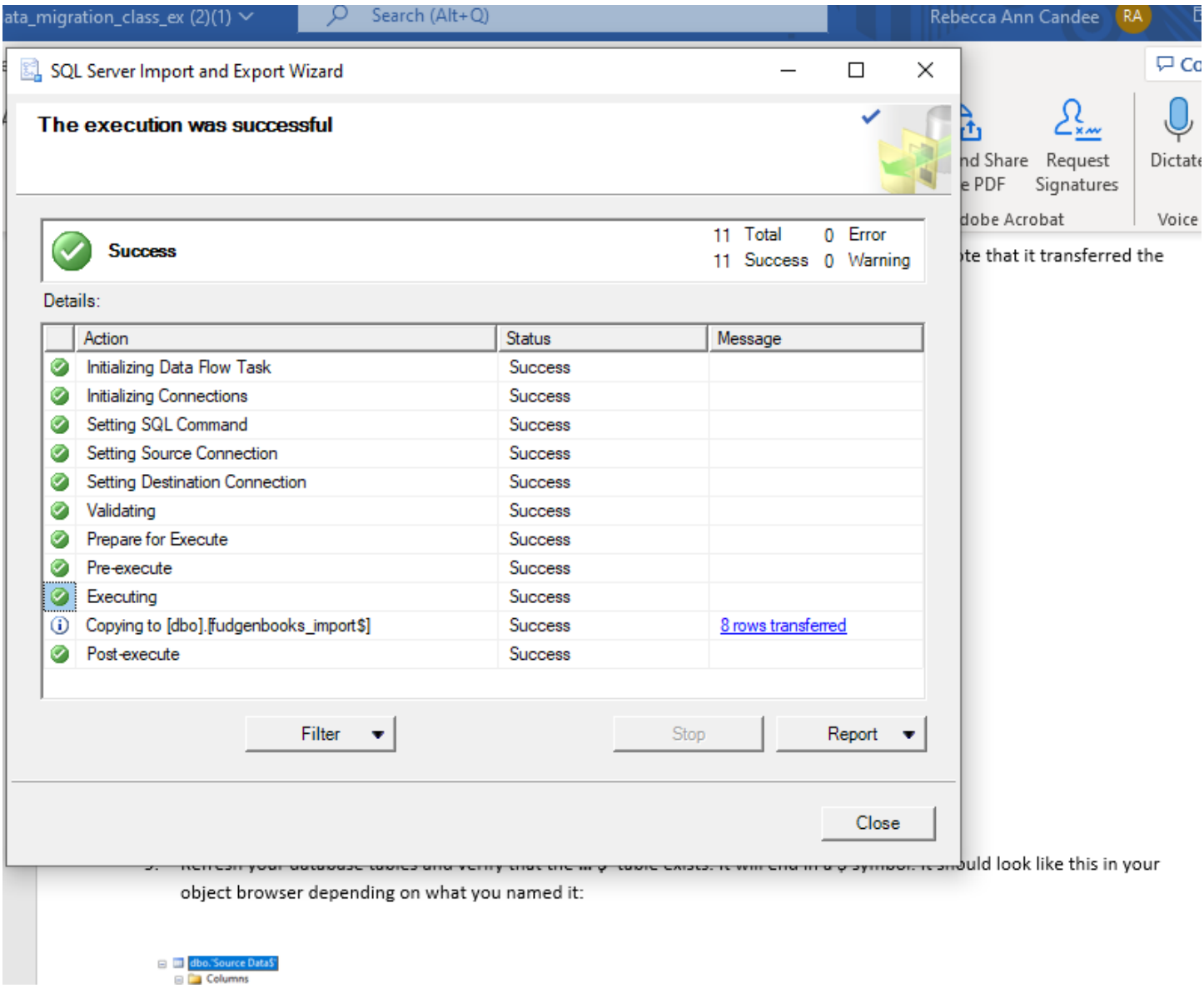
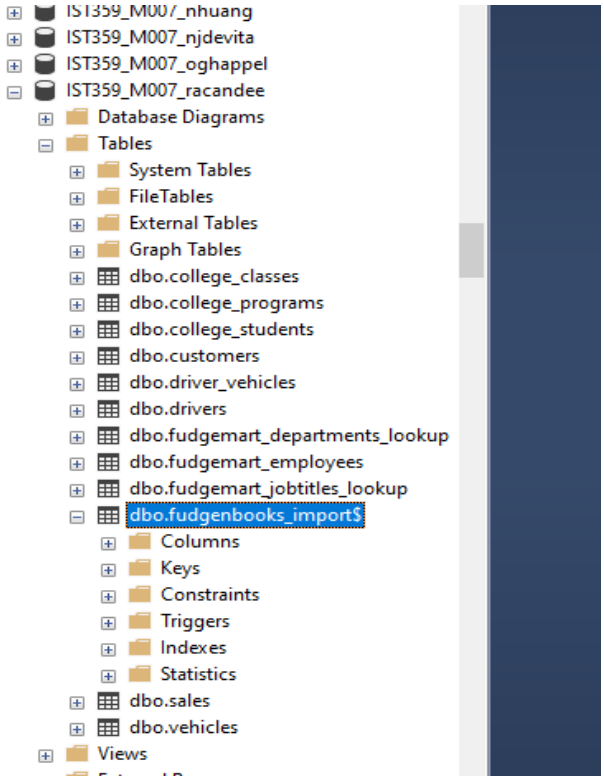
Rebecca Candee

Homework Fudgenbooks: Data Migration

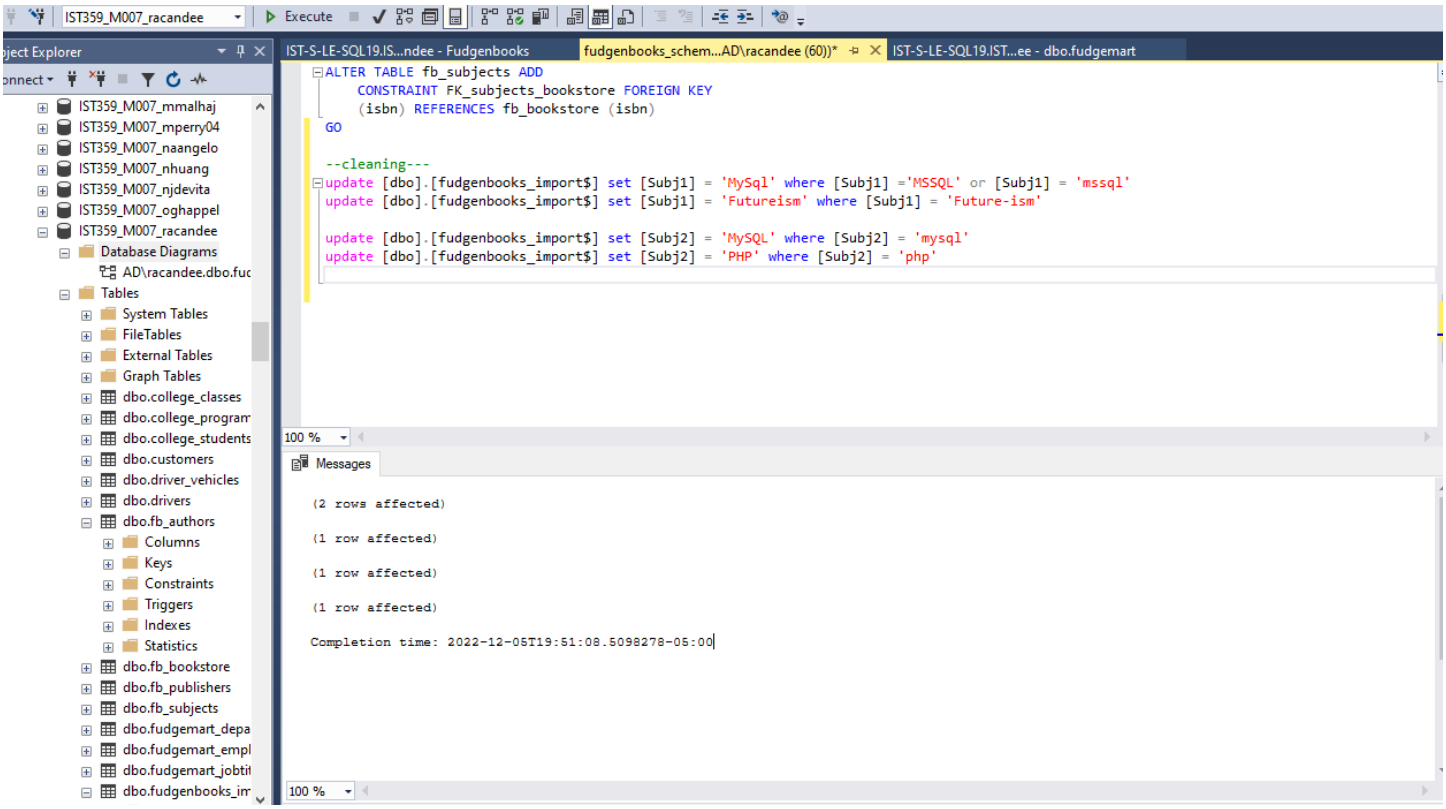
Please turn in just this page. Leave your database intact with your tables populated. If your db does not have data in the target tables you will receive a 0.

Place a results set screen shot of your successfully imported fudgenbook$ source here:

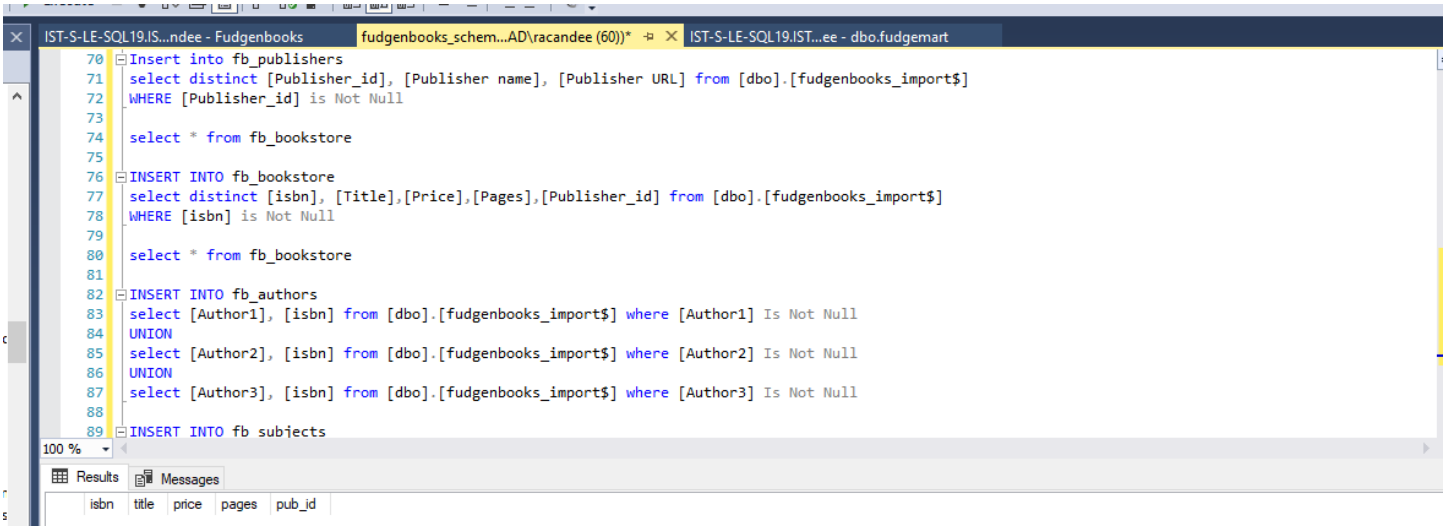


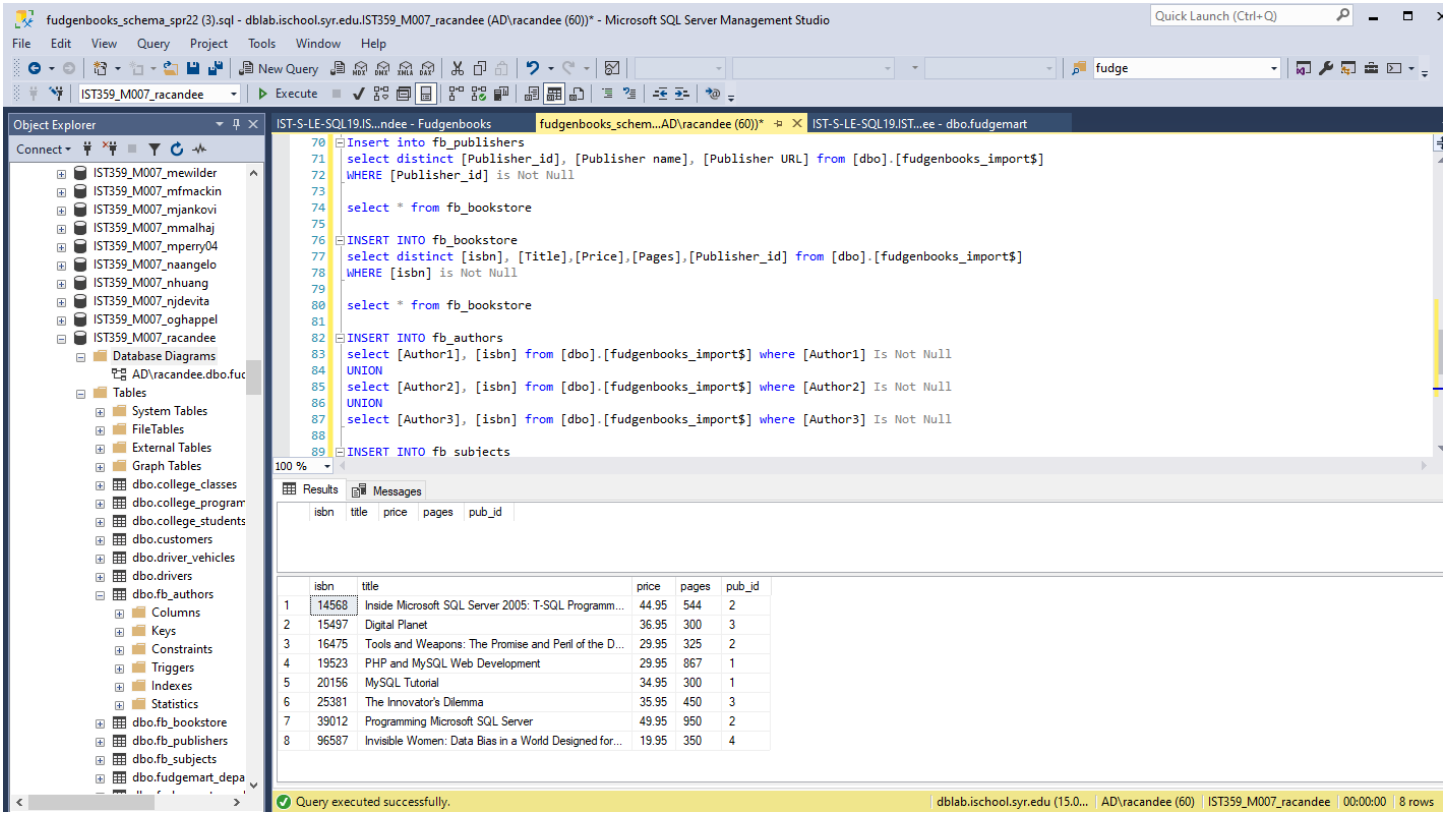


Place a screen shot of your cleansing results and code here:



Place a screen shot of each of your populated tables and code below:





```
88
89  INSERT INTO fb_subjects
90  select [Subj1], [isbn] from [dbo].[fudgenbooks_import$] where [Subj1] is not null
91  UNION
92  select [Subj2], [isbn] from [dbo].[fudgenbooks_import$] where [Subj2] is not null
93
```

100 %

Results | Messages

isbn	title	price	pages	pub_id

	isbn	title	price	pages	pub_id
1	14568	Inside Microsoft SQL Server 2005: T-SQL Programm...	44.95	544	2
2	15497	Digital Planet	36.95	300	3
3	16475	Tools and Weapons: The Promise and Peril of the D...	29.95	325	2
4	19523	PHP and MySQL Web Development	29.95	867	1
5	20156	MySQL Tutorial	34.95	300	1
6	25381	The Innovator's Dilemma	35.95	450	3
7	39012	Programming Microsoft SQL Server	49.95	950	2
8	96587	Invisible Women: Data Bias in a World Designed for...	19.95	350	4

Query executed successfully. | dblab.ischool.syr.edu (15.0... | AD\racandee (60) | IST359_M007_racandee | 00:00:00 | 8 rows

Place screen shots of BOTH your row count results and your full verification results with the code below:

```
93
94  select count(*) from fb_publishers as fb_publishers_rows
95  select count(*) from fb_bookstore as fb_bookstore_rows
96  select count (*) from fb_authors as fb_authors_rows
97  select count (*) from fb_subjects as fb_subjects_rows
```

100 %

Results | Messages

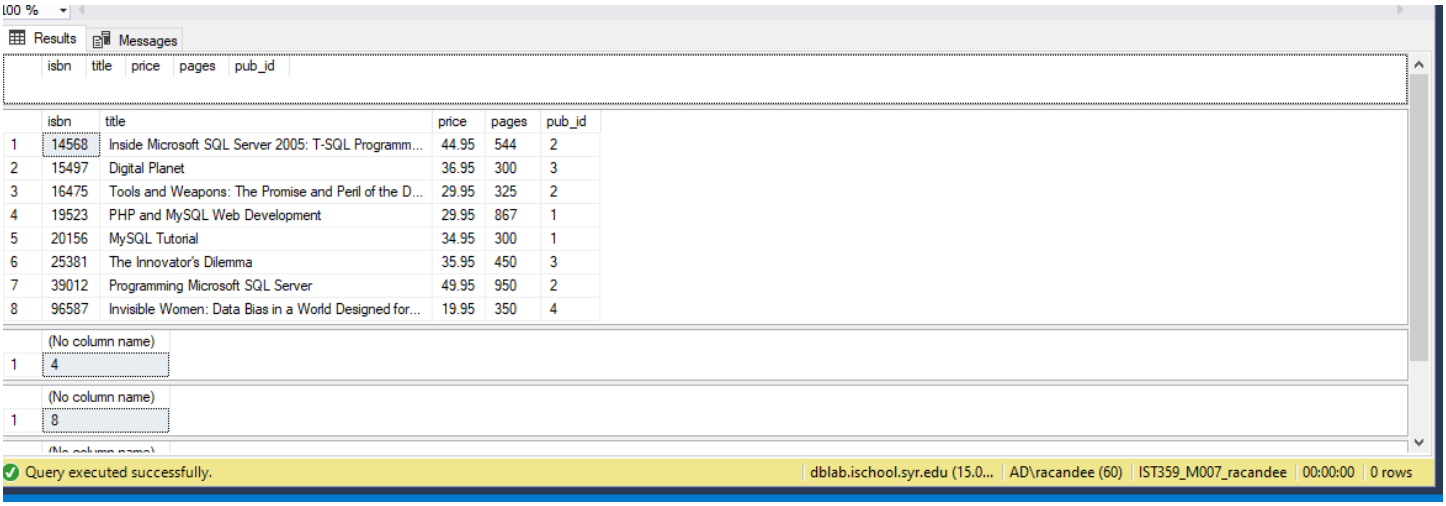
	(No column name)
1	4

	(No column name)
1	8

	(No column name)
1	16

	(No column name)
1	14

Query executed successfully. | dblab.ischool.syr.edu (15.0... | AD\racandee (60) | IST359_M007_racandee | 00:00:00 | 4 rows



Whole code:

```
if exists(select * from  information_schema.tables where table_name='fb_authors')
          drop table fb_authors;
  if exists(select * from information_schema.tables  where table_name='fb_subjects')
          drop table fb_subjects;
if exists(select * from information_schema.tables  where table_name='fb_bookstore')
          drop table fb_bookstore;
                if exists(select * from information_schema.tables  where table_name='fb_publishers')
          drop table  fb_publishers;



CREATE TABLE fb_authors (
       author varchar (50) NOT NULL  ,
       isbn int   NOT NULL,
        constraint pk_auth_isbn primary key (author, isbn)
)


CREATE TABLE fb_bookstore (
       isbn int  NOT NULL primary key ,
       title varchar (255),
       price money NOT NULL,
    pages int NOT NULL ,
       pub_id int NOT NULL
)
GO

CREATE TABLE fb_publishers (
       pub_id int NOT NULL primary key ,
       pub_name varchar (255)  NULL ,
       pub_url varchar (255)  NULL
)
GO

CREATE TABLE fb_subjects (
       subj varchar (50)  NOT NULL ,
       isbn int  NOT NULL,
       constraint pk_subj_isbn primary key (subj, isbn)
)
GO
```

```
-- foreign key constraints --
ALTER TABLE fb_authors
 ADD
       CONSTRAINT FK_authors_bookstore FOREIGN KEY
       (isbn) REFERENCES fb_bookstore (isbn)
GO

ALTER TABLE fb_bookstore
ADD
       CONSTRAINT FK_bookstore_publishers FOREIGN KEY
       (pub_id) REFERENCES fb_publishers (pub_id)
GO

ALTER TABLE fb_subjects ADD
       CONSTRAINT FK_subjects_bookstore FOREIGN KEY
       (isbn) REFERENCES fb_bookstore (isbn)
GO

--cleaning---
update [dbo].[fudgenbooks_import$] set [Subj1] = 'MySql' where [Subj1] ='MSSQL' or [Subj1] = 'mssql'
update [dbo].[fudgenbooks_import$] set [Subj1] = 'Futureism' where [Subj1] = 'Future-ism'

update [dbo].[fudgenbooks_import$] set [Subj2] = 'MySQL' where [Subj2] = 'mysql'
update [dbo].[fudgenbooks_import$] set [Subj2] = 'PHP' where [Subj2] = 'php'

update [dbo].[fudgenbooks_import$] set [Publisher URL]='http://www.microsoft.com/mspress' where
[Publisher_ID]=2
--transforming----

Insert into fb_publishers
select distinct [Publisher_id], [Publisher name], [Publisher URL] from [dbo].[fudgenbooks_import$]
WHERE [Publisher_id] is Not Null

select * from fb_bookstore

INSERT INTO fb_bookstore
select distinct [isbn], [Title],[Price],[Pages],[Publisher_id] from [dbo].[fudgenbooks_import$]
WHERE [isbn] is Not Null

select * from fb_bookstore

INSERT INTO fb_authors
select [Author1], [isbn] from [dbo].[fudgenbooks_import$] where [Author1] Is Not Null
UNION
select [Author2], [isbn] from [dbo].[fudgenbooks_import$] where [Author2] Is Not Null
UNION
select [Author3], [isbn] from [dbo].[fudgenbooks_import$] where [Author3] Is Not Null

INSERT INTO fb_subjects
select [Subj1], [isbn] from [dbo].[fudgenbooks_import$] where [Subj1] is not null
UNION
select [Subj2], [isbn] from [dbo].[fudgenbooks_import$] where [Subj2] is not null

select count(*) from fb_publishers as fb_publishers_rows
select count(*) from fb_bookstore as fb_bookstore_rows
select count (*) from fb_authors as fb_authors_rows

select count (*) from fb_subjects as fb_subjects_rows
```