

Question2

\copy Banks(BankName, City, NoAccounts, Security) From
/home/yanzich/Desktop/304Project/banks_19.data

```
[Project1nice=> \copy Banks(BankName, City, NoAccounts, Security) From /home/yanzich/Desktop/304P
project/banks_19.data
COPY 20
[Project1nice=> selecte * banks
[Project1nice->
[Project1nice=> selecte * banks;
ERROR: syntax error at or near "selecte"
LINE 1: selecte * banks;
        ^
[Project1nice=> select * from banks
[Project1nice->
[Project1nice=> selecte * from banks;
ERROR: syntax error at or near "selecte"
LINE 1: selecte * from banks;
        ^
[Project1nice=> select * from banks;
 bankname | city | noaccounts | security
-----+-----+-----+-----
 NXP Bank | Chicago | 1593311 | very good
 Bankrupt Bank | Evanston | 444000 | weak
 Loanshark Bank | Evanston | 7654321 | excellent
 Loanshark Bank | Deerfield | 3456789 | very good
 Loanshark Bank | Chicago | 121212 | excellent
 Inter-Gang Bank | Chicago | 100000 | excellent
 Inter-Gang Bank | Evanston | 555555 | excellent
 NXP Bank | Evanston | 656565 | excellent
 Penny Pinchers | Chicago | 156165 | weak
 Dollar Grabbers | Chicago | 56005 | very good
 Penny Pinchers | Evanston | 130013 | excellent
 Dollar Grabbers | Evanston | 909090 | good
 Gun Chase Bank | Evanston | 656565 | excellent
 Gun Chase Bank | Burbank | 1999 | weak
 PickPocket Bank | Evanston | 2000 | very good
 PickPocket Bank | Deerfield | 6565 | excellent
 PickPocket Bank | Chicago | 130013 | weak
 Hidden Treasure | Chicago | 999999 | excellent
 Bad Bank | Chicago | 6000 | weak
 Outside Bank | Chicago | 5000 | good
(20 rows)
```

\copy Plans(BankName,City,PlannedDate,NoRobbers) From
/home/yanzich/Desktop/304Project/plans_19.data

```
ProjectInice=> \copy Plans(BankName,City,PlannedDate,NoRobbers) From /home/yanzich/Desktop/304Project/plans_19.data
COPY 11
ProjectInice=> select * from plans;
```

bankname	city	norobbers	planneddate
NXP Bank	Chicago	5	2019-10-30
Loanshark Bank	Deerfield	4	2019-11-15
Inter-Gang Bank	Evanston	4	2019-12-31
Dollar Grabbers	Chicago	3	2019-12-10
Gun Chase Bank	Evanston	6	2019-10-30
PickPocket Bank	Deerfield	6	2019-12-15
PickPocket Bank	Chicago	2	2020-03-10
Hidden Treasure	Chicago	5	2020-01-11
NXP Bank	Chicago	5	2019-10-10
Bad Bank	Chicago	2	2020-02-02
PickPocket Bank	Deerfield	6	2019-11-30

(11 rows)

\copy Robberies(BankName,City,Date,Amount)FROM
/home/yanzich/Desktop/304Project/robberies_19.data

```
ProjectInice=> \copy Robberies(BankName,City,Date,Amount)FROM /home/yanzich/Desktop/304Project/robberies_19.data
COPY 21
ProjectInice=> select * from robberies;
```

bankname	city	date	amount
NXP Bank	Chicago	2019-01-08	34302.30
Loanshark Bank	Evanston	2019-02-28	19990.00
Loanshark Bank	Chicago	2019-03-30	21005.00
Inter-Gang Bank	Evanston	2018-02-14	52619.00
Penny Pinchers	Chicago	2016-08-30	900.00
Penny Pinchers	Evanston	2016-08-30	99000.80
Gun Chase Bank	Evanston	2016-04-30	18131.30
PickPocket Bank	Evanston	2016-03-30	2031.99
PickPocket Bank	Chicago	2018-02-28	239.00
Loanshark Bank	Evanston	2017-04-20	10990.00
Inter-Gang Bank	Evanston	2016-02-16	72620.00
Penny Pinchers	Evanston	2017-10-30	9000.50
PickPocket Bank	Evanston	2018-01-30	542.99
Loanshark Bank	Chicago	2017-11-09	41000.00
Penny Pinchers	Evanston	2019-05-30	13000.40
PickPocket Bank	Chicago	2015-09-21	2039.00
Loanshark Bank	Evanston	2016-04-20	20880.00
Inter-Gang Bank	Evanston	2017-03-13	92620.00
Dollar Grabbers	Evanston	2017-11-08	4380.00
Dollar Grabbers	Evanston	2017-06-28	3580.00
Bad Bank	Chicago	2017-02-02	6020.00

(21 rows)

```
CREATE TABLE tempRobber (
    Nickname TEXT NOT NULL,
    Age INT NOT NULL,
    NoYears INT NOT NULL
);
```



```
\copy tempRobber(NickName,Age,NoYears) From
/home/yanzich/Desktop/304Project/robbers_19.data
```

```
INSERT INTO Robbers (SELECT nextval('robbers_robberid_seq'), * FROM tempRobber);
```

```
DROP TABLE tempRobber;
```

```
ProjectInice=> \copy tempForRobber(NickName,Age,NoYears) From /home/yanzich/Desktop/304Project/robbers_19.data
ERROR: relation "tempforrobber" does not exist
ProjectInice=> CREATE TABLE tempRobber (
ProjectInice(>      Nickname TEXT NOT NULL,
ProjectInice(>      Age INT NOT NULL,
ProjectInice(>      NoYears INT NOT NULL
ProjectInice(> );
ERROR: relation "temprobber" already exists
ProjectInice=>
ProjectInice=> \copy tempRobber(NickName,Age,NoYears) From /home/yanzich/Desktop/304Project/robbers_19.data
COPY 24
ProjectInice=> INSERT INTO Robbers (SELECT nextval('robbers_robberid_seq'), * FROM tempRobber);
INSERT 0 24
ProjectInice=> DROP TABLE tempRobber;
DROP TABLE
ProjectInice=> select * from robber;
ERROR: relation "robber" does not exist
LINE 1: select * from robber;
          ^
ProjectInice=> select * from robbers;
 robberid |  nickname  | age | noyears
-----+-----+-----+-----
      1 | Al Capone  |  31 |       2
      2 | Bugsy Malone |  42 |      15
      3 | Lucky Luchiano |  42 |      15
      4 | Anastazia  |  48 |      15
      5 | Mimmy The Mau Mau | 18 |       0
      6 | Tony Genovese |  28 |      16
      7 | Dutch Schulz |  64 |      31
      8 | Clyde      |  20 |       0
      9 | Calamity Jane |  44 |       3
     10 | Bonnie     |  19 |       0
     11 | Meyer Lansky |  34 |       6
     12 | Moe Dalitz  |  41 |       3
     13 | Mickey Cohen |  24 |       3
     14 | Kid Cann    |  14 |       0
     15 | Boo Boo Hoff |  54 |      13
     16 | King Solomon |  74 |      43
     17 | Bugsy Siegel |  48 |      13
     18 | Vito Genovese |  66 |       0
     19 | Mike Genovese |  35 |       0
     20 | Longy Zwillman | 35 |       6
     21 | Waxey Gordon |  15 |       0
     22 | Greasy Guzik |  25 |       1
     23 | Lepke Buchalter | 25 |       1
     24 | Sonny Genovese | 39 |       0
(24 rows)
```

```
CREATE TABLE tempHasskills (
```

```
Nickname TEXT NOT NULL,  
Description TEXT NOT NULL,  
Preference INT NOT NULL,  
Grade CHAR(2) NOT NULL  
);
```

```
\copy tempHasskills(Nickname,Description,Preference,Grade) From  
/home/yanzich/Desktop/304Project/hasskills_19.data
```

```
CREATE VIEW DISTINCTskills AS SELECT DISTINCT Description From tempasskills;
```

```
INSERT INTO Skills (SELECT nextval('skills_skillid_seq'), Description FROM  
DISTINCTskills);
```



```
DROP VIEW DISTINCTskills;
```

```
INSERT INTO hasSkills (SELECT r.RobberId, s.SkillId, t.Preference, t.Grade FROM  
Robbers r, Skills s, tempasskills t WHERE t.Nickname = r.Nickname AND t.Description =  
s.Description);
```

```
DROP TABLE tempasskills;
```

```
Project1nice=> CREATE TABLE tempHasskills (  
Project1nice(> Nickname TEXT NOT NULL,  
Project1nice(> Description TEXT NOT NULL,  
Project1nice(> Preference INT NOT NULL,  
Project1nice(> Grade CHAR(2) NOT NULL  
Project1nice(> );  
CREATE TABLE  
Project1nice=> \copy tempHasskills(Nickname,Description,Preference,Grade) From /home/yanzich/  
Desktop/304Project/hasskills_19.data  
COPY 38  
Project1nice=> CREATE VIEW DISTINCTskills AS SELECT DISTINCT Description From tempasskills;  
CREATE VIEW  
Project1nice=> INSERT INTO Skills (SELECT nextval('skills_skillid_seq'), Description FROM DIS  
TINCTskills);  
INSERT 0 12  
Project1nice=> DROP VIEW DISTINCTskills;  
DROP VIEW  
Project1nice=> INSERT INTO hasSkills (SELECT r.RobberId, s.SkillId, t.Preference, t.Grade FRO  
M Robbers r, Skills s, tempasskills t WHERE t.Nickname = r.Nickname AND t.Description = s.De  
scription);  
INSERT 0 38  
Project1nice=> DROP TABLE tempasskills;  
DROP TABLE
```

Project1nice=> select * from hasskills;
robberid | skillid | preference | grade

-----+-----+-----+-----			
1	3		1 A+
1	8		3 A+
1	7		2 C+
4	2		1 A
10	8		1 B
15	3		1 A+
2	1		1 A
17	9		1 A+
17	2		2 C+
9	5		1 B
8	6		1 C+
8	3		3 C
8	11		2 C+
7	9		2 C+
7	6		1 A+
22	8		1 A+
22	6		2 C
14	12		1 B
16	3		1 A
23	9		1 A
23	2		2 C
20	9		1 C
3	6		1 B+
3	9		2 B+
11	7		1 A+
13	12		1 B+
19	12		1 C
5	9		2 C
5	3		1 A+
12	7		1 A
24	1		1 B
24	7		2 C+
24	6		3 B
6	10		1 B+
18	11		1 B+
18	4		2 A
18	10		3 A+
21	5		1 C

(38 rows)

```
Project1nice=> select * from skills;
```

```
skillid | description
```

```
-----+-----
```

```
1 | Explosives
```

```
2 | Guarding
```

```
3 | Planning
```

```
4 | Cooking
```

```
5 | Gun-Shooting
```

```
6 | Lock-Picking
```

```
7 | Safe-Cracking
```

```
8 | Preaching
```

```
9 | Driving
```

```
10 | Eating
```

```
11 | Scouting
```

```
12 | Money Counting
```

```
(12 rows)
```

```
CREATE TABLE tempHasaccounts (
```

```
    Nickname TEXT NOT NULL,
```

```
    BankName TEXT NOT NULL,
```

```
    City TEXT NOT NULL
```

```
);
```

```
\copy tempHasaccounts(Nickname,BankName,City) from
```

```
/home/yanzich/Desktop/304Project/hasaccounts_19.data
```

```
INSERT INTO hasAccounts (
```

```
    SELECT r.RobberId, t.BankName, t.City FROM Robbers r, tempHasaccounts t WHERE  
    t.Nickname = r.Nickname
```

```
);
```

```
DROP TABLE tempHasaccounts;
```



```
Project1nice=> select * from hasaccounts;
```

robberid	bankname	city
1	Bad Bank	Chicago
1	Inter-Gang Bank	Evanston
1	NXP Bank	Chicago
2	Loanshark Bank	Chicago
2	Loanshark Bank	Deerfield
3	NXP Bank	Chicago
3	Bankrupt Bank	Evanston
4	Loanshark Bank	Evanston
5	Inter-Gang Bank	Evanston
5	Loanshark Bank	Evanston
7	Inter-Gang Bank	Chicago
8	Penny Pinchers	Evanston
9	PickPocket Bank	Chicago
9	PickPocket Bank	Evanston
9	Bad Bank	Chicago
9	Dollar Grabbers	Chicago
11	Penny Pinchers	Evanston
12	Dollar Grabbers	Evanston
12	Gun Chase Bank	Evanston
13	Gun Chase Bank	Burbank
14	PickPocket Bank	Evanston
15	PickPocket Bank	Deerfield
17	PickPocket Bank	Chicago
18	Bad Bank	Chicago
18	Gun Chase Bank	Evanston
19	Gun Chase Bank	Burbank
20	PickPocket Bank	Evanston
21	PickPocket Bank	Evanston
22	PickPocket Bank	Chicago
23	Hidden Treasure	Chicago
24	Hidden Treasure	Chicago

(31 rows)

```
CREATE TABLE tempForAccomplices (  
    Nickname TEXT NOT NULL,  
    BankName TEXT NOT NULL,  
    City TEXT NOT NULL,  
    RobberyDate DATE NOT NULL,  
    Share DECIMAL(15,2) NOT NULL  
);
```

```
\copy tempForAccomplices(Nickname,BankName,City,RobberyDate,Share) from  
/home/yanzich/Desktop/304Project/accomplices_19.data
```

```
INSERT INTO ACCOMPLICES (
```

```
SELECT r.RobberId, t.BankName, t.City, t.RobberyDate, t.Share FROM Robbers r,
tempForAccomplices t WHERE t.Nickname = r.Nickname
);
```

```
DROP TABLE tempForAccomplices;
```

Project1nice=> select * from accomplices;

robberid	drivebankname.com	dr city	robberydate	share
1	Bad Bank	Chicago	2017-02-02	3010
1	NXP Bank	Chicago	2019-01-08	6406
1	Loanshark Bank	Evanston	2019-02-28	4997
1	Loanshark Bank	Chicago	2019-03-30	4201
1	Inter-Gang Bank	Evanston	2016-02-16	12103
1	Inter-Gang Bank	Evanston	2018-02-14	8769
2	NXP Bank	Chicago	2019-01-08	2300
3	Penny Pinchers	Evanston	2016-08-30	16500
3	Loanshark Bank	Evanston	2019-02-28	4997
3	Loanshark Bank	Chicago	2017-11-09	8200
3	Loanshark Bank	Chicago	2019-03-30	4201
3	Inter-Gang Bank	Evanston	2018-02-14	8769
4	Penny Pinchers	Evanston	2016-08-30	16500
4	NXP Bank	Chicago	2019-01-08	6408
4	Loanshark Bank	Chicago	2019-03-30	4201
4	Inter-Gang Bank	Evanston	2018-02-14	8769
4	Gun Chase Bank	Evanston	2016-04-30	3291
5	Inter-Gang Bank	Evanston	2017-03-13	60000
5	Loanshark Bank	Evanston	2016-04-20	10000
7	Penny Pinchers	Chicago	2016-08-30	450
7	Loanshark Bank	Evanston	2017-04-20	2749
7	Inter-Gang Bank	Evanston	2018-02-14	8769
7	Gun Chase Bank	Evanston	2016-04-30	3282
8	Penny Pinchers	Evanston	2016-08-30	16500
8	Penny Pinchers	Chicago	2016-08-30	450
8	Loanshark Bank	Evanston	2017-04-20	2747
8	Inter-Gang Bank	Evanston	2016-02-16	12103
10	Penny Pinchers	Evanston	2016-08-30	16500
10	Loanshark Bank	Chicago	2017-11-09	8200
10	Inter-Gang Bank	Evanston	2016-02-16	12103
10	Gun Chase Bank	Evanston	2016-04-30	3282
11	Penny Pinchers	Evanston	2017-10-30	3000
12	PickPocket Bank	Evanston	2016-03-30	32
13	Dollar Grabbers	Evanston	2017-11-08	2000
14	Dollar Grabbers	Evanston	2017-06-28	1790
15	Inter-Gang Bank	Evanston	2017-03-13	30000
15	PickPocket Bank	Chicago	2018-02-28	119
15	Penny Pinchers	Evanston	2017-10-30	3001
15	Penny Pinchers	Evanston	2019-05-30	3250
15	Loanshark Bank	Chicago	2019-03-30	4201
15	Inter-Gang Bank	Evanston	2016-02-16	12103
15	Inter-Gang Bank	Evanston	2018-02-14	8774
16	Gun Chase Bank	Evanston	2016-04-30	5000
16	Penny Pinchers	Evanston	2016-08-30	16501
16	NXP Bank	Chicago	2019-01-08	6406
16	Loanshark Bank	Evanston	2016-04-20	2747
16	Loanshark Bank	Chicago	2017-11-09	8200
16	Inter-Gang Bank	Evanston	2016-02-16	12103
16	Inter-Gang Bank	Evanston	2018-02-14	8769
17	Loanshark Bank	Evanston	2016-04-20	12880
17	PickPocket Bank	Chicago	2018-02-28	120
17	Penny Pinchers	Evanston	2016-08-30	16500