```
Password for user postgres:
psql (15.8, server 17rc1)
WARNING: psql major version 15, server major version 17.
        Some psql features might not work.
WARNING: Console code page (437) differs from Windows code page (1252)
        8-bit characters might not work correctly. See psql reference
        page "Notes for Windows users" for details.
Type "help" for help.
postgres=# \i 'C:/assignment2.sql'
DROP DATABASE
CREATE DATABASE
psql (15.8, server 17rc1)
WARNING: psql major version 15, server major version 17.
        Some psql features might not work.
You are now connected to database "assignment2" as user "postgres".
CREATE TABLE
INSERT 0 19
INSERT 0 8
INSERT 0 19
INSERT 0 15
INSERT 0 6
INSERT 0 37
INSERT 0 12
TRUNCATE TABLE
INSERT 0 85
CREATE TABLE
INSERT 0 14
Problem-1a
  cname | sid | salary
-----
Apple | 1002 | 45000
Netflix | 1007 | 50000
Amazon | 1008 | 50000
Yahoo
         | 1013 | 55000
Microsoft | 1019 | 50000
(5 rows)
Problem-1b
  cname | sid | salary
-----
Apple | 1002 | 45000
Netflix | 1007 | 50000
          | 1013 | 55000
Yahoo
Microsoft | 1019 | 50000
         | 1008 | 50000
Amazon
(5 rows)
```

C:\Program Files\PostgreSQL\15\bin>psql -U postgres

Problem-2b			
sname	salary	city	
		+	-
Jean	65000	Cupertino	
Chris	60000	Denver	
Latha	60000	LosGatos	
(3 rows))		

	2c salary	
Chris Jean Latha (3 rows)	60000 65000 60000	Denver Cupertino LosGatos

Problem-3a	
cname	cname
	+
Microsoft	Netflix
Microsoft	Google
Microsoft	Apple
Microsoft	Yahoo
Microsoft	IBM
Microsoft	ACM
Netflix	Microsoft
Netflix	Google
Netflix	Apple
Netflix	Yahoo
Netflix	IBM
Netflix	ACM
Google	Microsoft
Google	Netflix
Google	Apple
Google	Yahoo
Google	IBM
Google	ACM

Microsoft Apple Apple Netflix Apple Google Apple Yahoo Apple IBM Apple ACM Yahoo Microsoft Yahoo Netflix Google Yahoo Yahoo Apple Yahoo IBM Yahoo ACM Microsoft IBM IBM Netflix IBM Google IBM Apple IBM Yahoo IBM ACM ACM Microsoft ACM Netflix ACM Google ACM Apple ACM Yahoo ACM IBM (42 rows)

Problem-3b

cname cname Apple Google Netflix Apple Microsoft Apple Apple IBM Apple ACM Apple Yahoo Google Apple Netflix Google Microsoft Google Google IBM ACM Google Google Yahoo Netflix Apple Netflix Google Netflix Microsoft Netflix IBM Netflix ACM Netflix Yahoo Microsoft | Apple Microsoft Google | Netflix Microsoft Microsoft | IBM Microsoft | ACM Microsoft Yahoo IBM Apple IBM Google IBM Netflix IBM Microsoft IBM ACM

| Yahoo IBM Apple Google Netflix ACM ACM ACM ACMMicrosoft . | IBM ACM ACM | Yahoo Yahoo Apple | Google | Netflix Yahoo Yahoo | Microsoft Yahoo Yahoo | IBM ACM Yahoo (42 rows)

Problem-3c

cname	cname
Yahoo Yahoo Yahoo Yahoo Yahoo Yahoo Yahoo Yahoo Apple Apple Apple Apple Apple Google Google Google Google Google Google Google Google Metflix Netflix Netflix Netflix Netflix Netflix Netflix Netflix Netflix Nicrosoft Microsoft	Apple Google Netflix Microsoft IBM ACM Yahoo Apple Netflix Microsoft IBM ACM Yahoo Apple Google Netflix Microsoft ACM Yahoo Apple Google Netflix ACM Yahoo Apple Apple

```
ACM | Microsoft
ACM | IBM
(42 rows)
Prohlem-4h
```

Problem-4b cname	sid	salary
Amazon	1008	50000
Apple	1002	45000
Microsoft	1019	50000
Netflix	1007	50000
Yahoo	1013	55000
(5 rows)	•	•

(5 rows)

	-5b salary	
Chris Jean Latha (3 rows)	60000 65000 60000	Denver Cupertino LosGatos

Problem-6b	
c1 l	c2
ACM I	Apple
ACM I	Google
ACM I	IBM
ACM İ	Microsoft
ACM i	Netflix
ACM	Yahoo
Apple	ACM
Apple	Google
Apple	IBM
Apple	Microsoft
Apple	Netflix
Apple	Yahoo
Google	ACM
Google	Apple
Google	IBM
Google	Microsoft
Google	Netflix
Google	Yahoo
IBM	ACM
IBM	Apple
IBM	Google
IBM	Microsoft
IBM	Netflix
IBM	Yahoo
Microsoft	ACM
Microsoft	Apple
Microsoft	Google IBM
Microsoft Microsoft	Netflix
Microsoft	Yahoo
Netflix	ACM
INCLL LTV	AUN

```
Netflix
           | Apple
Netflix
             Google
Netflix
             IBM
Netflix
           | Microsoft
Netflix
           | Yahoo
Yahoo
           I ACM
Yahoo
           | Apple
           | Google
Yahoo
             IBM
Yahoo
Yahoo
           | Microsoft
           | Netflix
Yahoo
(42 rows)
Problem 10
sid
```

SELECT 2 1001 1015 (2 rows)

Problem 11 CREATE FUNCTION sid1 | sid2 -----1003 | 1019 1003 | 1009 1003 | 1017 1003 | 1015 1003 | 1013 1003 | 1006 1003 | 1001 1003 | 1014 1003 | 1005 1003 | 1004 1003 | 1011 1003 | 1016 1003 | 1012 1003 | 1002 1003 | 1010 1003 | 1007 1003 | 1018

Problem 12 CREATE VIEW n1 | n2 ----1 | 1 2 | 2 2 | 3 2 j 4 3 İ 2 3 | 3 3 4 4 | 2

(17 rows)

```
4 |
       3
  4
       4
  5
       5
  5
       6
  5
       7
  6 İ
       5
  6
       6
  6
       7
  7
       5
  7
       6
  7
       7
  8
      8
  8 | 12
  8 | 13
  9 j
      9
  9 | 10
  9 | 11
  9 | 14
 10 | 9
 10 | 10
 10 | 11
 10 | 14
 11 | 9
 11 | 10
 11 | 11
 11 | 14
 12 | 8
 12 | 12
 12 | 13
 13 | 8
 13 | 12
 13 | 13
 14 I 9
 14 | 10
 14 | 11
 14 | 14
 15 | 15
(45 rows)
psql (15.8, server 17rc1)
WARNING: psql major version 15, server major version 17.
         Some psql features might not work.
You are now connected to database "postgres" as user "postgres".
DROP DATABASE
postgres=#
postgres=#
postgres=#
```