

```

Last login: Fri Jan 13 12:25:19 on ttys000
saipalde@L-DQGDGJY26Y ~ % /Library/PostgreSQL/15/scripts/runpsql.sh;
exit
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]: postgres
Password for user postgres:
psql (15.1)
Type "help" for help.

```

```

postgres=# create database dbfinserv
postgres=# \l

```

```

                                List of databases
  Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+-----
 postgres   | postgres   | UTF8      | C        | C      |             |
 libc       |            |           |          |        |             |
 template0  | postgres   | UTF8      | C        | C      |             |
 libc       | =c/postgres |          + |          |        |             |
 | postgres=CTc/postgres
 template1  | postgres   | UTF8      | C        | C      |             |
 libc       | =c/postgres |          + |          |        |             |
 | postgres=CTc/postgres
(3 rows)

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...skipping...

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                                List of databases
  Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+-----
 postgres   | postgres   | UTF8      | C        | C      |             |
 libc       |            |           |          |        |             |
 template0  | postgres   | UTF8      | C        | C      |             |
 libc       | =c/postgres |          + |          |        |             |
 | postgres=CTc/postgres
 template1  | postgres   | UTF8      | C        | C      |             |
 libc       | =c/postgres |          + |          |        |             |
 | postgres=CTc/postgres
(3 rows)

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```
postgres=# create database dbfinserv;
ERROR:  syntax error at or near "create"
LINE 2: create database dbfinserv;
      ^
```

```
postgres=# create database dbfinserv;
CREATE DATABASE
postgres=# \l
```

				List of databases	
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
-----+-----+-----+-----+-----+-----					
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc		=c/postgres		+	
	postgres=CTc/postgres				
template1	postgres	UTF8	C	C	
libc		=c/postgres		+	
	postgres=CTc/postgres				
(4 rows)					

(END)...skipping...

				List of databases		
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc		=c/postgres		+		
	postgres=CTc/postgres					
template1	postgres	UTF8	C	C		
libc		=c/postgres		+		
	postgres=CTc/postgres					
(4 rows)						

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(END)

List of databases						
Name	Owner	Encoding	Collate	Ctype	ICU Locale	

Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					

(4 rows)

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(END)...skipping...

List of databases					
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					

(4 rows)

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(END)

List of databases					
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				

dbfinserv		postgres		UTF8		C		C			
libc											
postgres		postgres		UTF8		C		C			
libc											
template0		postgres		UTF8		C		C			
libc				=c/postgres			+				
postgres=CTc/postgres											
template1		postgres		UTF8		C		C			
libc				=c/postgres			+				
postgres=CTc/postgres											

(4 rows)

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(END)

List of databases

Name		Owner		Encoding		Collate		Ctype		ICU Locale	
Locale Provider											
	+		+		+		+		+		+
dbfinserv		postgres		UTF8		C		C			
libc											
postgres		postgres		UTF8		C		C			
libc											
template0		postgres		UTF8		C		C			
libc				=c/postgres			+				
postgres=CTc/postgres											
template1		postgres		UTF8		C		C			
libc				=c/postgres			+				
postgres=CTc/postgres											

(4 rows)

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List of databases

Name		Owner		Encoding		Collate		Ctype		ICU Locale	
Locale Provider											
	+		+		+		+		+		+

dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
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libc	=c/postgres		+			
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libc	=c/postgres		+			
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(4 rows)

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List of databases

Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				

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libc	=c/postgres		+			
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(4 rows)

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List of databases

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Locale Provider	Access privileges				
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postgres	postgres	UTF8	C	C	
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template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
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template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					

(4 rows)

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(END)

List of databases

Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
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libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					

(4 rows)

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( END )

|                 |                   |          |         |       | List of databases |        |
|-----------------|-------------------|----------|---------|-------|-------------------|--------|
| Name            | Owner             | Encoding | Collate | Ctype | ICU               | Locale |
| Locale Provider | Access privileges |          |         |       |                   |        |
| dbfinserv       | postgres          | UTF8     | C       | C     |                   |        |
| libc            |                   |          |         |       |                   |        |
| postgres        | postgres          | UTF8     | C       | C     |                   |        |
| libc            |                   |          |         |       |                   |        |



|           |             |      |   |   |
|-----------|-------------|------|---|---|
| template0 | postgres    | UTF8 | C | C |
| libc      | =c/postgres |      | + |   |
|           |             |      |   |   |
| template1 | postgres    | UTF8 | C | C |
| libc      | =c/postgres |      | + |   |
|           |             |      |   |   |
|           |             |      |   |   |
|           |             |      |   |   |

(4 rows)

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(END)

List of databases

Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc		=c/postgres			
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc		=c/postgres			
postgres=CTc/postgres					

(4 rows)

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(END)

|                                     |                   |          |         |       | List of databases |  |
|-------------------------------------|-------------------|----------|---------|-------|-------------------|--|
| Name                                | Owner             | Encoding | Collate | Ctype | ICU Locale        |  |
| Locale Provider                     | Access privileges |          |         |       |                   |  |
| -----+-----+-----+-----+-----+----- |                   |          |         |       |                   |  |
| dbfinserv                           | postgres          | UTF8     | C       | C     |                   |  |
| libc                                |                   |          |         |       |                   |  |
| postgres                            | postgres          | UTF8     | C       | C     |                   |  |
| libc                                |                   |          |         |       |                   |  |
| template0                           | postgres          | UTF8     | C       | C     |                   |  |
| libc                                | =c/postgres       |          |         | +     |                   |  |
|                                     |                   |          |         |       |                   |  |
| postgres=CTc/postgres               |                   |          |         |       |                   |  |
| template1                           | postgres          | UTF8     | C       | C     |                   |  |
| libc                                | =c/postgres       |          |         | +     |                   |  |
|                                     |                   |          |         |       |                   |  |
| postgres=CTc/postgres               |                   |          |         |       |                   |  |
| (4 rows)                            |                   |          |         |       |                   |  |

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|                                     |                   |          |         | List of databases |            |
|-------------------------------------|-------------------|----------|---------|-------------------|------------|
| Name                                | Owner             | Encoding | Collate | Ctype             | ICU Locale |
| Locale Provider                     | Access privileges |          |         |                   |            |
| -----+-----+-----+-----+-----+----- |                   |          |         |                   |            |
| dbfinserv                           | postgres          | UTF8     | C       | C                 |            |
| libc                                |                   |          |         |                   |            |
| postgres                            | postgres          | UTF8     | C       | C                 |            |
| libc                                |                   |          |         |                   |            |
| template0                           | postgres          | UTF8     | C       | C                 |            |
| libc                                | =c/postgres       |          | +       |                   |            |
|                                     |                   |          |         |                   |            |
| postgres=CTc/postgres               |                   |          |         |                   |            |
| template1                           | postgres          | UTF8     | C       | C                 |            |
| libc                                | =c/postgres       |          | +       |                   |            |
|                                     |                   |          |         |                   |            |
| postgres=CTc/postgres               |                   |          |         |                   |            |
| (4 rows)                            |                   |          |         |                   |            |

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|                       |                   |          |         | List of databases |            |
|-----------------------|-------------------|----------|---------|-------------------|------------|
| Name                  | Owner             | Encoding | Collate | Ctype             | ICU Locale |
| Locale Provider       | Access privileges |          |         |                   |            |
| dbfinserv             | postgres          | UTF8     | C       | C                 |            |
| libc                  |                   |          |         |                   |            |
| postgres              | postgres          | UTF8     | C       | C                 |            |
| libc                  |                   |          |         |                   |            |
| template0             | postgres          | UTF8     | C       | C                 |            |
| libc                  | =c/postgres       |          |         |                   |            |
|                       |                   |          |         |                   |            |
| postgres=CTc/postgres |                   |          |         |                   |            |
| template1             | postgres          | UTF8     | C       | C                 |            |
| libc                  | =c/postgres       |          |         |                   |            |
|                       |                   |          |         |                   |            |
| postgres=CTc/postgres |                   |          |         |                   |            |

(4 rows)

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(END)
List of databases
  Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C      |             |
libc      |          |          |         |         |             |
postgres | postgres | UTF8     | C       | C      |             |
libc      |          |          |         |         |             |

```

template0	postgres	UTF8	C	C
libc	=c/postgres		+	
	postgres=Ct	postgres		
template1	postgres	UTF8	C	C
libc	=c/postgres		+	
	postgres=Ct	postgres		

(4 rows)

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( END )

|                       |                   |             |         | List of databases |            |
|-----------------------|-------------------|-------------|---------|-------------------|------------|
| Name                  | Owner             | Encoding    | Collate | Ctype             | ICU Locale |
| Locale Provider       | Access privileges |             |         |                   |            |
| dbfinserv             | postgres          | UTF8        | C       | C                 |            |
| libc                  |                   |             |         |                   |            |
| postgres              | postgres          | UTF8        | C       | C                 |            |
| libc                  |                   |             |         |                   |            |
| template0             | postgres          | UTF8        | C       | C                 |            |
| libc                  |                   | =c/postgres |         |                   |            |
|                       |                   |             |         |                   |            |
| postgres=CTc/postgres |                   |             |         |                   |            |
| template1             | postgres          | UTF8        | C       | C                 |            |
| libc                  |                   | =c/postgres |         |                   |            |
|                       |                   |             |         |                   |            |
| postgres=CTc/postgres |                   |             |         |                   |            |

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| List of databases |                   |          |         |       |            |
|-------------------|-------------------|----------|---------|-------|------------|
| Name              | Owner             | Encoding | Collate | Ctype | ICU Locale |
| Locale Provider   | Access privileges |          |         |       |            |
| dbfinserv         | postgres          | UTF8     | C       | C     |            |

```

libc          |
postgres      | postgres | UTF8      | C          | C          |
libc          |
template0     | postgres | UTF8      | C          | C          |
libc          | =c/postgres      +
              |          |          |          |          |
| postgres=CTc/postgres
template1     | postgres | UTF8      | C          | C          |
libc          | =c/postgres      +
              |          |          |          |          |
| postgres=CTc/postgres
(4 rows)

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List of databases
  Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C     |            |
libc      |          |          |         |       |            |
postgres | postgres | UTF8     | C       | C     |            |
libc      |          |          |         |       |            |
template0 | postgres | UTF8     | C       | C     |            |
libc      |          | =c/postgres |       + |       |            |
|          |          |          |         |       |            |
| postgres=CTc/postgres
template1 | postgres | UTF8     | C       | C     |            |
libc      |          | =c/postgres |       + |       |            |
|          |          |          |         |       |            |
| postgres=CTc/postgres
(4 rows)

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|                                      |                   |          |         | List of databases |            |  |
|--------------------------------------|-------------------|----------|---------|-------------------|------------|--|
| Name                                 | Owner             | Encoding | Collate | Ctype             | ICU Locale |  |
| Locale Provider                      | Access privileges |          |         |                   |            |  |
| -----+-----+-----+-----+-----+-----  |                   |          |         |                   |            |  |
| +-----+-----+-----+-----+-----+----- |                   |          |         |                   |            |  |
| dbfinserv                            | postgres          | UTF8     | C       | C                 |            |  |
| libc                                 |                   |          |         |                   |            |  |
| postgres                             | postgres          | UTF8     | C       | C                 |            |  |
| libc                                 |                   |          |         |                   |            |  |
| template0                            | postgres          | UTF8     | C       | C                 |            |  |
| libc                                 | =c/postgres       |          | +       |                   |            |  |
|                                      |                   |          |         |                   |            |  |
| postgres=CTc/postgres                |                   |          |         |                   |            |  |
| template1                            | postgres          | UTF8     | C       | C                 |            |  |
| libc                                 | =c/postgres       |          | +       |                   |            |  |
|                                      |                   |          |         |                   |            |  |
| postgres=CTc/postgres                |                   |          |         |                   |            |  |
| (4 rows)                             |                   |          |         |                   |            |  |

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| List of databases                   |                   |          |         |       |            |  |
|-------------------------------------|-------------------|----------|---------|-------|------------|--|
| Name                                | Owner             | Encoding | Collate | Ctype | ICU Locale |  |
| Locale Provider                     | Access privileges |          |         |       |            |  |
| -----+-----+-----+-----+-----+----- |                   |          |         |       |            |  |
| dbfinserv                           | postgres          | UTF8     | C       | C     |            |  |
| libc                                |                   |          |         |       |            |  |
| postgres                            | postgres          | UTF8     | C       | C     |            |  |
| libc                                |                   |          |         |       |            |  |
| template0                           | postgres          | UTF8     | C       | C     |            |  |
| libc                                | =c/postgres       |          | +       |       |            |  |
|                                     |                   |          |         |       |            |  |
| postgres=CTc/postgres               |                   |          |         |       |            |  |
| template1                           | postgres          | UTF8     | C       | C     |            |  |
| libc                                | =c/postgres       |          | +       |       |            |  |



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| postgres=Ctc/postgres
(4 rows)
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(END)

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List of databases
  Name          | Owner          | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8      | C        | C      |             |
libc      |           |           |          |        |             |
postgres  | postgres | UTF8      | C        | C      |             |
libc      |           |           |          |        |             |
template0 | postgres | UTF8      | C        | C      |             |
libc      |           | =c/postgres  +          |        |             |
|          |           |           |          |        |             |
| postgres=CTc/postgres
template1 | postgres | UTF8      | C        | C      |             |
libc      |           | =c/postgres  +          |        |             |
|          |           |           |          |        |             |
| postgres=CTc/postgres
(4 rows)

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List of databases
  Name      | Owner      | Encoding | Collate | Ctype | ICU Locale | Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+-----+-----

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-----+-----+-----+-----+-----+-----
+-----+-----+-----+-----+-----+-----
dbfinserv | postgres | UTF8      | C      | C      |          |
libc      |          |           |         |         |          |
postgres  | postgres | UTF8      | C      | C      |          |
libc      |          |           |         |         |          |
template0 | postgres | UTF8      | C      | C      |          |
libc      | =c/postgres |         + |         |         |          |
| postgres=CtC/postgres |         |         |         |          |
template1 | postgres | UTF8      | C      | C      |          |
libc      | =c/postgres |         + |         |         |          |
| postgres=CtC/postgres |         |         |         |          |
(4 rows)

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                                     List of databases
   Name      | Owner   | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
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+-----+-----+-----+-----+-----+-----
dbfinserv | postgres | UTF8      | C      | C      |          |
libc      |          |           |         |         |          |
postgres  | postgres | UTF8      | C      | C      |          |
libc      |          |           |         |         |          |
template0 | postgres | UTF8      | C      | C      |          |
libc      | =c/postgres |         + |         |         |          |
| postgres=CtC/postgres |         |         |         |          |
template1 | postgres | UTF8      | C      | C      |          |
libc      | =c/postgres |         + |         |         |          |
| postgres=CtC/postgres |         |         |         |          |
(4 rows)

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List of databases
Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C      |             |
libc      |          |          |         |         |             |
postgres | postgres | UTF8     | C       | C      |             |
libc      |          |          |         |         |             |
template0 | postgres | UTF8     | C       | C      |             |
libc      |          | =c/postgres |         |         |             |
| postgres=CtC/postgres
template1 | postgres | UTF8     | C       | C      |             |
libc      |          | =c/postgres |         |         |             |
| postgres=CtC/postgres
(4 rows)

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(END)

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List of databases
Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C      |             |
libc      |          |          |         |         |             |
postgres | postgres | UTF8     | C       | C      |             |
libc      |          |          |         |         |             |
template0 | postgres | UTF8     | C       | C      |             |
libc      |          | =c/postgres |         |         |             |
| postgres=CtC/postgres
template1 | postgres | UTF8     | C       | C      |             |
libc      |          | =c/postgres |         |         |             |
| postgres=CtC/postgres
(4 rows)

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|                       |                   |          |         | List of databases |            |
|-----------------------|-------------------|----------|---------|-------------------|------------|
| Name                  | Owner             | Encoding | Collate | Ctype             | ICU Locale |
| Locale Provider       | Access privileges |          |         |                   |            |
| dbfinserv             | postgres          | UTF8     | C       | C                 |            |
| libc                  |                   |          |         |                   |            |
| postgres              | postgres          | UTF8     | C       | C                 |            |
| libc                  |                   |          |         |                   |            |
| template0             | postgres          | UTF8     | C       | C                 |            |
| libc                  | =c/postgres       |          | +       |                   |            |
|                       |                   |          |         |                   |            |
| postgres=CTc/postgres |                   |          |         |                   |            |
| template1             | postgres          | UTF8     | C       | C                 |            |
| libc                  | =c/postgres       |          | +       |                   |            |
|                       |                   |          |         |                   |            |
| postgres=CTc/postgres |                   |          |         |                   |            |

(4 rows)

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(END)

				List of databases	
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					

(END)

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( END )

|                 |                   |          |         | List of databases |            |
|-----------------|-------------------|----------|---------|-------------------|------------|
| Name            | Owner             | Encoding | Collate | Ctype             | ICU Locale |
| Locale Provider | Access privileges |          |         |                   |            |
| dbfinserv       | postgres          | UTF8     | C       | C                 |            |
| libc            |                   |          |         |                   |            |
| postgres        | postgres          | UTF8     | C       | C                 |            |

```

libc          |
template0 | postgres | UTF8      | C      | C      |
libc          |      =c/postgres      +      |
|      |      |
| postgres=CTc/postgres      |      |
template1 | postgres | UTF8      | C      | C      |
libc          |      =c/postgres      +      |
|      |      |
| postgres=CTc/postgres      |      |
(4 rows)

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(END)

				List of databases	
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc		=c/postgres			
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc		=c/postgres			
postgres=CTc/postgres					

(4 rows)

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(END)

|                                      |                   |          |         | List of databases |            |
|--------------------------------------|-------------------|----------|---------|-------------------|------------|
| Name                                 | Owner             | Encoding | Collate | Ctype             | ICU Locale |
| Locale Provider                      | Access privileges |          |         |                   |            |
| -----+-----+-----+-----+-----+-----  |                   |          |         |                   |            |
| +-----+-----+-----+-----+-----+----- |                   |          |         |                   |            |
| dbfinserv                            | postgres          | UTF8     | C       | C                 |            |
| libc                                 |                   |          |         |                   |            |
| postgres                             | postgres          | UTF8     | C       | C                 |            |
| libc                                 |                   |          |         |                   |            |
| template0                            | postgres          | UTF8     | C       | C                 |            |
| libc                                 | =c/postgres       |          | +       |                   |            |
|                                      |                   |          |         |                   |            |
| postgres=CTc/postgres                |                   |          |         |                   |            |
| template1                            | postgres          | UTF8     | C       | C                 |            |
| libc                                 | =c/postgres       |          | +       |                   |            |
|                                      |                   |          |         |                   |            |
| postgres=CTc/postgres                |                   |          |         |                   |            |
| (4 rows)                             |                   |          |         |                   |            |

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(END)

|                                      |                   |          |         | List of databases |            |
|--------------------------------------|-------------------|----------|---------|-------------------|------------|
| Name                                 | Owner             | Encoding | Collate | Ctype             | ICU Locale |
| Locale Provider                      | Access privileges |          |         |                   |            |
| -----+-----+-----+-----+-----+-----  |                   |          |         |                   |            |
| +-----+-----+-----+-----+-----+----- |                   |          |         |                   |            |
| dbfinserv                            | postgres          | UTF8     | C       | C                 |            |
| libc                                 |                   |          |         |                   |            |
| postgres                             | postgres          | UTF8     | C       | C                 |            |
| libc                                 |                   |          |         |                   |            |
| template0                            | postgres          | UTF8     | C       | C                 |            |
| libc                                 | =c/postgres       |          |         | +                 |            |
|                                      |                   |          |         |                   |            |
| postgres=CTc/postgres                |                   |          |         |                   |            |
| template1                            | postgres          | UTF8     | C       | C                 |            |
| libc                                 | =c/postgres       |          |         | +                 |            |
|                                      |                   |          |         |                   |            |
| postgres=CTc/postgres                |                   |          |         |                   |            |
| (4 rows)                             |                   |          |         |                   |            |

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|                       |                   |          |         | List of databases |            |
|-----------------------|-------------------|----------|---------|-------------------|------------|
| Name                  | Owner             | Encoding | Collate | Ctype             | ICU Locale |
| Locale Provider       | Access privileges |          |         |                   |            |
| dbfinserv             | postgres          | UTF8     | C       | C                 |            |
| libc                  |                   |          |         |                   |            |
| postgres              | postgres          | UTF8     | C       | C                 |            |
| libc                  |                   |          |         |                   |            |
| template0             | postgres          | UTF8     | C       | C                 |            |
| libc                  | =c/postgres       |          |         |                   |            |
|                       |                   |          |         |                   |            |
| postgres=CTc/postgres |                   |          |         |                   |            |
| template1             | postgres          | UTF8     | C       | C                 |            |
| libc                  | =c/postgres       |          |         |                   |            |
|                       |                   |          |         |                   |            |
| postgres=CTc/postgres |                   |          |         |                   |            |

(4 rows)

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(END)

					List of databases	
Name	Owner	Encoding	Collate	Ctype	ICU	Locale
Locale Provider	Access privileges					
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc		=c/postgres				
postgres=CTc/postgres						

template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
	postgres=CTc/postgres				

(4 rows)

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(END)

List of databases					
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
	postgres=CTc/postgres				
template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
	postgres=CTc/postgres				

(4 rows)

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(END)

List of databases					
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					

template0	postgres	UTF8	C		C	
libc	=c/postgres			+		
	postgres=CTc/postgres					
template1	postgres	UTF8	C		C	
libc	=c/postgres			+		
	postgres=CTc/postgres					

(4 rows)

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List of databases

Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				

dbfinserv	postgres	UTF8	C		C
libc					
postgres	postgres	UTF8	C		C
libc					
template0	postgres	UTF8	C		C
libc	=c/postgres			+	
	postgres=CTc/postgres				
template1	postgres	UTF8	C		C
libc	=c/postgres			+	
	postgres=CTc/postgres				

(4 rows)

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List of databases

Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				

dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						
template1	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						

(4 rows)

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List of databases

Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				

dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						
template1	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						

(4 rows)

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(END)

List of databases

Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					

(4 rows)

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(END)

List of databases

Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					

(4 rows)

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				List of databases		
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc		=c/postgres		+		
	postgres=CTc/postgres					
template1	postgres	UTF8	C	C		
libc		=c/postgres		+		
	postgres=CTc/postgres					
(4 rows)						

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					List of databases	
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc		=c/postgres		+		
	postgres=CTc/postgres					
template1	postgres	UTF8	C	C		
libc		=c/postgres		+		
	postgres=CTc/postgres					
(4 rows)						

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					List of databases	
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						
template1	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						
(4 rows)						

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(END)

List of databases					
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
-----+-----+-----+-----+-----+-----					
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					

| postgres=CTc/postgres
(4 rows)

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List of databases						
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						
template1	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						

(4 rows)

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(END)

List of databases						
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		

```

libc      |
template0 | postgres | UTF8      | C      | C      |
libc      | =c/postgres +
          |          |
| postgres=CTc/postgres
template1 | postgres | UTF8      | C      | C      |
libc      | =c/postgres +
          |          |
| postgres=CTc/postgres
(4 rows)

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(END)

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                                     List of databases
      Name      | Owner   | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+-----
+-----+-----+-----+-----+-----+-----+-----
dbfinserv | postgres | UTF8      | C      | C      |
libc      |          |
postgres  | postgres | UTF8      | C      | C      |
libc      |          |
template0 | postgres | UTF8      | C      | C      |
libc      | =c/postgres +
          |          |
| postgres=CTc/postgres
template1 | postgres | UTF8      | C      | C      |
libc      | =c/postgres +
          |          |
| postgres=CTc/postgres
(4 rows)

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(END)

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List of databases
Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
postgres | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
template0 | postgres | UTF8     | C       | C     |             |
libc      |          | =c/postgres |       |       |             |
| postgres=CTc/postgres
template1 | postgres | UTF8     | C       | C     |             |
libc      |          | =c/postgres |       |       |             |
| postgres=CTc/postgres
(4 rows)

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List of databases
Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
postgres | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
template0 | postgres | UTF8     | C       | C     |             |
libc      |          | =c/postgres |       |       |             |
| postgres=CTc/postgres
template1 | postgres | UTF8     | C       | C     |             |
libc      |          | =c/postgres |       |       |             |
| postgres=CTc/postgres
(4 rows)

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(END)

					List of databases	
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc	=c/postgres			+		
postgres=CTc/postgres						
template1	postgres	UTF8	C	C		
libc	=c/postgres			+		
postgres=CTc/postgres						
(4 rows)						

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(END)

List of databases					
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
-----+-----+-----+-----+-----+-----					
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	
libc	=c/postgres		+		

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| postgres=CTc/postgres
(4 rows)
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(END)

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List of databases
Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
postgres | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
template0 | postgres | UTF8     | C       | C     |             |
libc      | =c/postgres |         |         |       |             |
| postgres=CTc/postgres
template1 | postgres | UTF8     | C       | C     |             |
libc      | =c/postgres |         |         |       |             |
| postgres=CTc/postgres
(4 rows)
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(END)

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List of databases
Name      | Owner      | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
```

```

postgres | postgres | UTF8 | C | C |
libc | |
template0 | postgres | UTF8 | C | C |
libc | =c/postgres | + |
| | | |
| postgres=CtC/postgres |
template1 | postgres | UTF8 | C | C |
libc | =c/postgres | + |
| | | |
| postgres=CtC/postgres |
(4 rows)

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( END )

|                       |                   |             |         | List of databases |            |
|-----------------------|-------------------|-------------|---------|-------------------|------------|
| Name                  | Owner             | Encoding    | Collate | Ctype             | ICU Locale |
| Locale Provider       | Access privileges |             |         |                   |            |
| dbfinserv             | postgres          | UTF8        | C       | C                 |            |
| libc                  |                   |             |         |                   |            |
| postgres              | postgres          | UTF8        | C       | C                 |            |
| libc                  |                   |             |         |                   |            |
| template0             | postgres          | UTF8        | C       | C                 |            |
| libc                  |                   | =c/postgres |         |                   |            |
|                       |                   |             |         |                   |            |
| postgres=CTc/postgres |                   |             |         |                   |            |
| template1             | postgres          | UTF8        | C       | C                 |            |
| libc                  |                   | =c/postgres |         |                   |            |
|                       |                   |             |         |                   |            |
| postgres=CTc/postgres |                   |             |         |                   |            |

(4 rows)

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(END)

					List of databases	
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc		=c/postgres		+		
	postgres=CTc/postgres					
template1	postgres	UTF8	C	C		
libc		=c/postgres		+		
	postgres=CTc/postgres					
(4 rows)						

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(END)

List of databases					
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
-----+-----+-----+-----+-----+-----					
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc		=c/postgres			
	postgres=CTc/postgres				
template1	postgres	UTF8	C	C	
libc		=c/postgres			
	postgres=CTc/postgres				
(4 rows)					

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(END)

				List of databases		
Name	Owner	Encoding	Collate	Ctype	ICU Locale	
Locale Provider	Access privileges					
-----+-----+-----+-----+-----+-----						
dbfinserv	postgres	UTF8	C	C		
libc						
postgres	postgres	UTF8	C	C		
libc						
template0	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						
template1	postgres	UTF8	C	C		
libc	=c/postgres		+			
postgres=CTc/postgres						
(4 rows)						

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(END)

List of databases					
Name	Owner	Encoding	Collate	Ctype	ICU Locale
Locale Provider	Access privileges				
-----+-----+-----+-----+-----+-----					
dbfinserv	postgres	UTF8	C	C	
libc					
postgres	postgres	UTF8	C	C	
libc					
template0	postgres	UTF8	C	C	
libc	=c/postgres		+		
postgres=CTc/postgres					
template1	postgres	UTF8	C	C	

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postgres=# \c dbfinserv;

You are now connected to database "dbfinserv" as user "postgres".

dbfinserv=# create table employee(eid INT PRIMARY KEY NOT NULL,
ename TEXT NOT NULL, salary REAL);

CREATE TABLE

dbfinserv=# \d

List of relations

Schema	Name	Type	Owner
public	employee	table	postgres

(1 row)

dbfinserv=# \d employee

Table "public.employee"

Column	Type	Collation	Nullable	Default
eid	integer		not null	
ename	text		not null	
salary	real			

Indexes:

"employee_pkey" PRIMARY KEY, btree (eid)

dbfinserv=# insert into employee values (1, Uttej, 13);

ERROR: column "uttej" does not exist

LINE 1: insert into employee values (1, Uttej, 13);
^

dbfinserv=# insert into employee values (1,'uttej', 13);

INSERT 0 1

dbfinserv=# insert into employee values (1, 'Hara', 14);

ERROR: duplicate key value violates unique constraint

"employee_pkey"

DETAIL: Key (eid)=(1) already exists.

dbfinserv=# insert into employee values (2, 'Hara', 14);

INSERT 0 1

dbfinserv=# insert into employee values (3, 'Kshitij', 20);

INSERT 0 1

dbfinserv=# insert into employee values (4, 'Vishnu', 9);

INSERT 0 1

dbfinserv=# view employee

dbfinserv=# \d employee

Table "public.employee"

Column	Type	Collation	Nullable	Default
eid	integer		not null	
ename	text		not null	
salary	real			

Indexes:

"employee_pkey" PRIMARY KEY, btree (eid)

dbfinserv=# /select * from employee

dbfinserv=# select * from employee;

```
ERROR: syntax error at or near "view"
LINE 1: view employee
      ^
```

```
dbfinserv=# /select * from employee
select * from employee;
```

```
ERROR: syntax error at or near "/"
LINE 1: /select * from employee
      ^
```

```
dbfinserv=# \l
```

```

                                List of databases
   Name      | Owner   | Encoding | Collate | Ctype | ICU Locale |
Locale Provider | Access privileges
-----+-----+-----+-----+-----+-----+
dbfinserv | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
postgres | postgres | UTF8     | C       | C     |             |
libc      |          |          |         |       |             |
template0 | postgres | UTF8     | C       | C     |             |
libc      | =c/postgres |          | +       |       |             |
          |          |          |         |       |             |
| postgres=CtC/postgres
template1 | postgres | UTF8     | C       | C     |             |
libc      | =c/postgres |          | +       |       |             |
          |          |          |         |       |             |
| postgres=CtC/postgres
(4 rows)
```

```
dbfinserv=# \c dbfinserv
```

```
You are now connected to database "dbfinserv" as user "postgres".
```

```
dbfinserv=# \d employee;
```

```

                    Table "public.employee"
   Column | Type   | Collation | Nullable | Default
-----+-----+-----+-----+-----
eid       | integer |           | not null |
ename     | text    |           | not null |
salary    | real    |           |          |
```

```
Indexes:
```

```
    "employee_pkey" PRIMARY KEY, btree (eid)
```

```
dbfinserv=# Select * From EMPLOYEE;
```

```

eid | ename | salary
-----+-----+-----
  1 | uttej |    13
  2 | Hara  |    14
  3 | Kshitij |   20
  4 | Vishnu |     9
(4 rows)
```

```
dbfinserv=# select * from employee;
```

```

eid | ename | salary
-----+-----+-----
  1 | uttej |    13
  2 | Hara  |    14
```

3	Kshitij	20
4	Vishnu	9

(4 rows)

```
dbfinserv=# insert into employee values((5,'tanishq',8),
(6,'aditya',30));
ERROR: column "eid" is of type integer but expression is of type
record
LINE 1: insert into employee values((5,'tanishq',8),
(6,'aditya',30))...
```

HINT: You will need to rewrite or cast the expression.

```
dbfinserv=# insert into employee values(5,'tanishq',8),
(6,'aditya',30);
INSERT 0 2
dbfinserv=# insert into employee values((7,'ishq',18),(8,'data',7));
ERROR: column "eid" is of type integer but expression is of type
record
LINE 1: insert into employee values((7,'ishq',18),(8,'data',7));
```

HINT: You will need to rewrite or cast the expression.

```
dbfinserv=# select * from employee;
```

eid	ename	salary
1	uttej	13
2	Hara	14
3	Kshitij	20
4	Vishnu	9
5	tanishq	8
6	aditya	30

(6 rows)

```
dbfinserv=# update employee set ename = 'uttej', salary = 19 where
eid = 1;
UPDATE 1
```

```
dbfinserv=# select * from employee;
```

eid	ename	salary
2	Hara	14
3	Kshitij	20
4	Vishnu	9
5	tanishq	8
6	aditya	30
1	uttej	19

(6 rows)

```
dbfinserv=# update employee set ename = 'hara' , salary = 15 where
eid = 2;
UPDATE 1
```

```
dbfinserv=# select * from employee;
```

eid	ename	salary
3	Kshitij	20
4	Vishnu	9

5	tanishq	8
6	aditya	30
1	uttej	19
2	hara	15

(6 rows)

dbfinserv=# update employee set ename = 'hara' , salary = 18 ;

UPDATE 6

dbfinserv=# select * from employee;

eid	ename	salary
-----+-----+-----		
3	hara	18
4	hara	18
5	hara	18
6	hara	18
1	hara	18
2	hara	18

(6 rows)

dbfinserv=# rollback;

WARNING: there is no transaction in progress

ROLLBACK

dbfinserv=# update employee set ename = 'uttej' where eid = 1;

UPDATE 1

dbfinserv=# select * from employee;

eid	ename	salary
-----+-----+-----		
3	hara	18
4	hara	18
5	hara	18
6	hara	18
2	hara	18
1	uttej	18

(6 rows)

dbfinserv=# update employee set ename = 'data', salary = 25 where eid = 3;

UPDATE 1

dbfinserv=# update employee set ename = 'vishnu', salary =8 where eid = 4;

UPDATE 1

dbfinserv=# update employee set ename = 'narendra', salary =13 where eid = 5;

UPDATE 1

dbfinserv=# update employee set ename = 'kshitij', salary = 10 where eid = 6;

UPDATE 1

dbfinserv=# select * from employee;

eid	ename	salary
-----+-----+-----		
2	hara	18
1	uttej	18
3	data	25
4	vishnu	8

```

5 | narendra | 13
6 | kshitij | 10
(6 rows)

```

dbfinserv=# delete from employee where eid = 5;

DELETE 1

dbfinserv=# select * from employee;

```

eid |  ename  | salary
-----+-----+-----
2 | hara    | 18
1 | uttej   | 18
3 | data    | 25
4 | vishnu  | 8
6 | kshitij | 10
(5 rows)

```

dbfinserv=# update employee set ename = 'atarva', salary = 10 where eid = 6, set ename = 'hara teja' where eid = 2;

ERROR: syntax error at or near ","

LINE 1: ...ee set ename = 'atarva', salary = 10 where eid = 6, set enam...
^

dbfinserv=# select * from employee;

```

eid |  ename  | salary
-----+-----+-----
2 | hara    | 18
1 | uttej   | 18
3 | data    | 25
4 | vishnu  | 8
6 | kshitij | 10
(5 rows)

```

dbfinserv=# update employee set salary = salary + 10 where salary > 15;

UPDATE 3

dbfinserv=# select * from employee;

```

eid |  ename  | salary
-----+-----+-----
4 | vishnu  | 8
6 | kshitij | 10
2 | hara    | 28
1 | uttej   | 28
3 | data    | 35
(5 rows)

```

dbfinserv=# inserv=# update employee set ename = 'atarva', salary = 10 where eid = 6, set ename = 'hara teja' where dbfinserv=# eid = 2;

ERROR: syntax error at or near "inserv"

LINE 1: inserv=# update employee set ename = 'atarva', salary = 10 w...
^

dbfinserv=# ERROR: syntax error at or near ","


```
dbfinserv=# LINE 1: ...ee set ename = 'atarva', salary = 10 where
eid = 6, set enam...
```

```
dbfinserv=#
```

```
^
```

```
dbfinserv=# dbfinserv=# select * from employee;
```

```
ERROR: syntax error at or near "ERROR"
```

```
LINE 1: ERROR: syntax error at or near ","
```

```
^
```

```
dbfinserv=#  eid |  ename  | salary
```

```
dbfinserv=# -----+-----+-----
```

```
dbfinserv=#      2 |  hara   |      18
```

```
dbfinserv=#      1 |  uttej  |      18
```

```
dbfinserv=#      3 |  data   |      25
```

```
dbfinserv=#      4 | vishnu  |       8
```

```
dbfinserv=#      6 | kshitij |      10
```

```
dbfinserv=# (5 rows)
```

```
dbfinserv=#
```

```
dbfinserv=# dbfinserv=# update employee set salary = salary + 10
```

```
where salary > 15;
```

```
ERROR: syntax error at or near "eid"
```

```
LINE 1: eid |  ename  | salary
```

```
^
```

```
dbfinserv=# UPDATE 3
```

```
dbfinserv=# dbfinserv=# select * from employee;
```

```
ERROR: syntax error at or near "3"
```

```
LINE 1: UPDATE 3
```

```
^
```

```
dbfinserv=#  eid |  ename  | salary
```

```
dbfinserv=# -----+-----+-----
```

```
dbfinserv=#      4 | vishnu  |       8
```

```
dbfinserv=#      6 | kshitij |      10
```

```
dbfinserv=#      2 |  hara   |      28
```

```
dbfinserv=#      1 |  uttej  |      28
```

```
dbfinserv=#      3 |  data   |      35
```

```
dbfinserv=# (5 rows)
```

```
dbfinserv=#
```

```
dbfinserv=# select * from employee;
```

```
ERROR: syntax error at or near "eid"
```

```
LINE 1: eid |  ename  | salary
```

```
^
```

```
dbfinserv=# Select * from employee;
```

```
  eid |  ename  | salary
```

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

```
    4 | vishnu  |      8
```

```
    6 | kshitij |     10
```

```
    2 |  hara   |     28
```

```
    1 |  uttej  |     28
```

```
    3 |  data   |     35
```

```
(5 rows)
```

```
dbfinserv=# select upper (ename);
```

```
ERROR: column "ename" does not exist
```

```
LINE 1: select upper (ename);
```

```
^
```

```
dbfinserv=# select upper (ename) from employee;
upper
```

```
-----
VISHNU
KSHITIJ
HARA
UTTEJ
DATA
(5 rows)
```

```
dbfinserv=# Select * from employee;
```

```
eid |  ename  | salary
-----+-----+-----
  4 | vishnu  |      8
  6 | kshitij |     10
  2 | hara    |     28
  1 | uttej   |     28
  3 | data    |     35
(5 rows)
```

```
dbfinserv=# select concat (ename,'*',eid) from employee;
concat
```

```
-----
vishnu*4
kshitij*6
hara*2
uttej*1
data*3
(5 rows)
```

```
dbfinserv=# select concat (ename,' ',eid) from employee;
concat
```

```
-----
vishnu  4
kshitij 6
hara    2
uttej   1
data    3
(5 rows)
```

```
dbfinserv=# Select count(*) from employee;
```

```
count
-----
      5
(1 row)
```

```
dbfinserv=# Select sum(*) from employee;
```

```
ERROR:  function sum() does not exist
```

```
LINE 1: Select sum(*) from employee;
              ^
```

HINT: No function matches the given name and argument types. You might need to add explicit type casts.

```
dbfinserv=# Select sum from employee;
```

```
ERROR:  column "sum" does not exist
```

LINE 1: Select sum from employee;

^
dbfinserv=# Select sum(salary) from employee;
sum

109
(1 row)

dbfinserv=# select distinct from employee;
ERROR: syntax error at or near "from"
LINE 1: select distinct from employee;

^
dbfinserv=# select distinct(salary) from employee;
salary

35
8
10
28
(4 rows)

dbfinserv=# select distinct(salary,eid) from employee;
row

(8,4)
(10,6)
(28,1)
(28,2)
(35,3)
(5 rows)

dbfinserv=# select max(salary) from employee;
max

35
(1 row)

dbfinserv=# select min(salary) from employee;
min

8
(1 row)

dbfinserv=# select avg(salary) from employee;
avg

21.8
(1 row)

dbfinserv=# select random();
random

0.3067476501173376
(1 row)

```
dbfinserv=# select eid from employee group by eid having salary >
10;
eid
```

```
-----
 2
 1
 3
(3 rows)
```

```
dbfinserv=# select eid from employee group by ename having salary >
10;
ERROR: column "employee.eid" must appear in the GROUP BY clause or
be used in an aggregate function
LINE 1: select eid from employee group by ename having salary > 10;
          ^
```

```
dbfinserv=# select ename from employee group by ename having salary
> 10;
ERROR: column "employee.salary" must appear in the GROUP BY clause
or be used in an aggregate function
LINE 1: select ename from employee group by ename having salary >
10...
```

```
dbfinserv=# select eid,ename from employee group by eid having
salary > 10;
eid | ename
-----+-----
 2 | hara
 1 | uttej
 3 | data
(3 rows)
```

```
dbfinserv=# Select * from employee;
eid |  ename  | salary
-----+-----+-----
 4 | vishnu  |      8
 6 | kshitij |     10
 2 | hara    |     28
 1 | uttej   |     28
 3 | data    |     35
(5 rows)
```

```
dbfinserv=# select eid,ename from employee order by eid;
eid |  ename
-----+-----
 1 | uttej
 2 | hara
 3 | data
 4 | vishnu
 6 | kshitij
(5 rows)
```

```
dbfinserv=# select * from employee;
eid |  ename  | salary
```

eid	ename	salary
4	vishnu	8
6	kshiti	10
2	hara	28
1	uttej	28
3	data	35

(5 rows)

```
dbfinserv=# update employee set salary = null where salary > 0;
UPDATE 5
```

```
dbfinserv=# select * from employee;
eid |  ename  | salary
```

eid	ename	salary
4	vishnu	
6	kshiti	
2	hara	
1	uttej	
3	data	

(5 rows)

```
dbfinserv=# select * from employee;
eid |  ename  | salary
```

eid	ename	salary
4	vishnu	
6	kshiti	
2	hara	
1	uttej	
3	data	

(5 rows)

```
dbfinserv=# update employee set salary = (
```

```
dbfinserv(# select * from employee;
```

```
dbfinserv(#
```

```
dbfinserv(#
```

```
dbfinserv(#
```

```
dbfinserv(#
```

```
dbfinserv(#
```

```
dbfinserv(#
```

```
dbfinserv(#
```

```
dbfinserv(# exit)
```

```
dbfinserv=# select * from employee;
```

```
ERROR:  syntax error at or near ";"
```

```
LINE 2: select * from employee;
```

```
^
```

```
dbfinserv=# select * from employee;
```

```
eid |  ename  | salary
```

eid	ename	salary
4	vishnu	
6	kshiti	
2	hara	
1	uttej	
3	data	

(5 rows)

```
dbfinserv=# update employee set salary = (10,13,14,16,20);
ERROR: column "salary" is of type real but expression is of type
record
LINE 1: update employee set salary = (10,13,14,16,20);
      ^
```

HINT: You will need to rewrite or cast the expression.

```
dbfinserv=# update employee set salary = (10,13,14,16,20) where eid
= (1,2,3,4,5);
ERROR: operator does not exist: integer = record
LINE 1: ... employee set salary = (10,13,14,16,20) where eid =
(1,2,3,4...
```

HINT: No operator matches the given name and argument types. You might need to add explicit type casts.

```
dbfinserv=# update employee set salary = 10 where eid = 1;
UPDATE 1
```

```
dbfinserv=# update employee set salary = 13 where eid = 3;
UPDATE 1
```

```
dbfinserv=# update employee set salary = 19 where eid = 2;
UPDATE 1
```

```
dbfinserv=# update employee set salary = 18 where eid = 4;
UPDATE 1
```

```
dbfinserv=# update employee set salary = 24 where eid = 5;
UPDATE 0
```

```
dbfinserv=# select * from employee;
```

eid	ename	salary
6	kshitij	
1	uttej	10
3	data	13
2	hara	19
4	vishnu	18

(5 rows)

```
dbfinserv=# update employee set salary = 24 where eid = 6;
UPDATE 1
```

```
dbfinserv=# select * from employee;
```

eid	ename	salary
1	uttej	10
3	data	13
2	hara	19
4	vishnu	18
6	kshitij	24

(5 rows)

```
dbfinserv=#
```