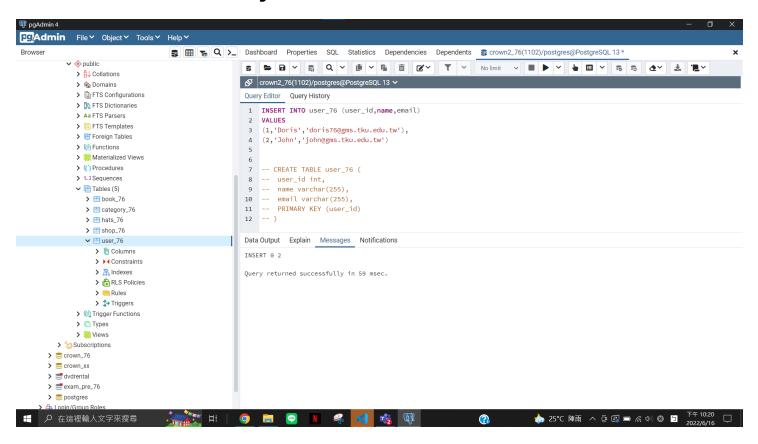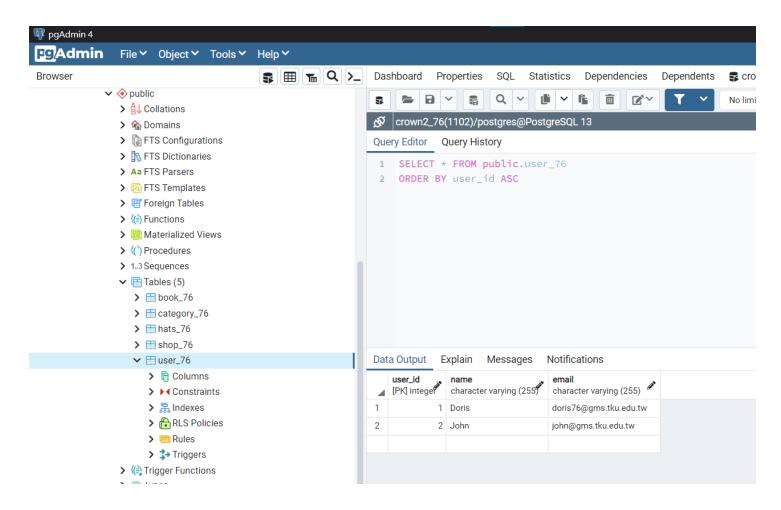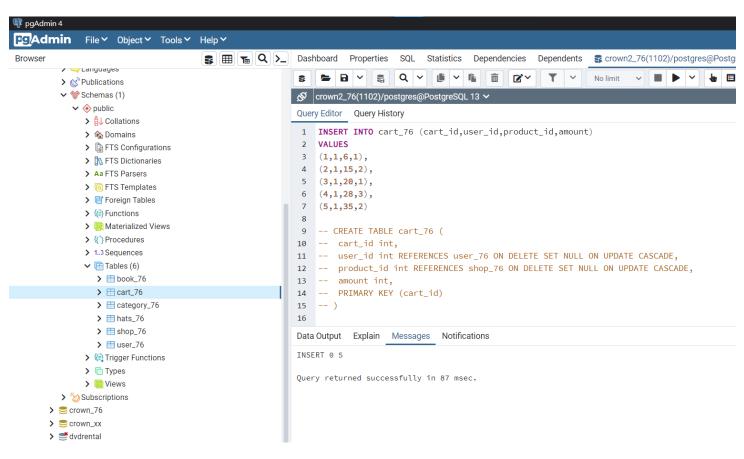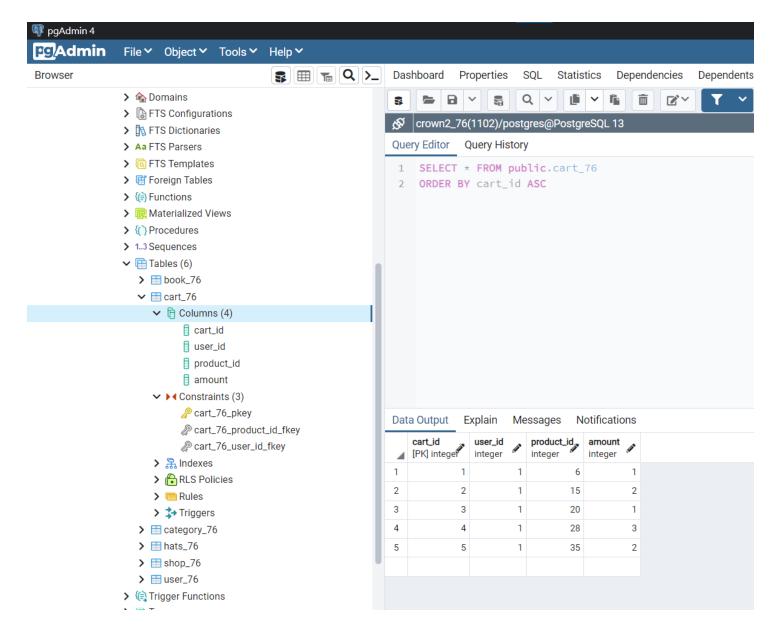# w17-p1: create user_xx in postgreSQL server, enter two data, the first one is about your

w17-p2: create cart_xx in postgreSQL server, enter five data, one for each category

pgAdmin 4

pgAdmin   File ▾   Object ▾   Tools ▾   Help ▾

Browser

Dashboard   Properties   SQL   Statistics   Dependencies   Dependents

> Domains
> FTS Configurations
> FTS Dictionaries
> Aa FTS Parsers
> FTS Templates
> Foreign Tables
> Functions
> Materialized Views
> Procedures
> 1..3 Sequences
∨ Tables (6)
  > book_76
  ∨ cart_76
    ∨ Columns (4)
      cart_id
      user_id
      product_id
      amount
    ∨ Constraints (3)
      cart_76_pkey
      cart_76_product_id_fkey
      cart_76_user_id_fkey
    > Indexes
    > RLS Policies
    > Rules
    > Triggers
  > category_76
  > hats_76
  > shop_76
  > user_76
> Trigger Functions

crown2_76(1102)/postgres@PostgreSQL 13

Query Editor   Query History

```
1  SELECT * FROM public.cart_76
2  ORDER BY cart_id ASC
```

Data Output   Explain   Messages   Notifications

cart_id [PK] integer	user_id integer	product_id integer	amount integer
1	1	6	1
2	1	15	2
3	1	20	1
4	1	28	3
5	1	35	2

w17-p3: give query to get related data for cart info shown in ejs

Dashboard Properties SQL Statistics Dependencies Dependents crown2_76(110...

- Domains
- FTS Configurations
- FTS Dictionaries
- Aa FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Procedures
- 1..3 Sequences
- Tables (6)
  - book_76
  - cart_76
    - Columns (4)
      - cart_id
      - user_id
      - product_id
      - amount
    - Constraints (3)
      - cart_76_pkey
      - cart_76_product_id_fkey
      - cart_76_user_id_fkey
    - Indexes
    - RLS Policies
    - Rules
    - Triggers
  - category_76
  - hats_76
  - shop_76
  - user_76

crown2_76(1102)/postgres@PostgreSQL 13

Query Editor Query History

```
1  SELECT C.cart_id,U.name as user_name, S.name as product_name, price, a
2  FROM cart_76 as C, shop_76 as S, user_76 as U
3  WHERE C.product_id = S.id AND C.user_id = U.user_id
```

Data Output Explain Messages Notifications

	cart_id integer	user_name character varying (255)	product_name character varying (45)	price real	amount integer
1	1	Doris	Brown Brim	25	1
2	2	Doris	Black Jean Shearling	125	2
3	3	Doris	Adidas NMD	220	1
4	4	Doris	Blue Tanktop	25	3
5	5	Doris	Camo Down Vest	325	2

w17-p4: insert data in order to violate the key constraints, foreign key constraints

- FTS Configurations
- FTS Dictionaries
- Aa FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Procedures
- 1..3 Sequences
- Tables (6)
  - book_76
  - cart_76
    - Columns (4)
      - cart_id
      - user_id
      - product_id
      - amount
    - Constraints (3)
      - cart_76_pkey
      - cart_76_product_id_fkey
      - cart_76_user_id_fkey
    - Indexes
    - RLS Policies
    - Rules

crown2_76(1102)/postgres@PostgreSQL 13

Query Editor Query History

```
1  INSERT INTO cart_76 (cart_id, user_id, product_id, amount)
2  VALUES
3  (1,3,6,1)
```

Data Output Explain Messages Notifications

```
ERROR:  duplicate key value violates unique constraint "cart_76_pkey"
DETAIL:  Key (cart_id)=(1) already exists.
SQL state: 23505
```

crown2_76(1102)/postgres@PostgreSQL 13 ∨

Query Editor   Query History

```sql
1  INSERT INTO cart_76 (cart_id, user_id, product_id, amount)
2  VALUES
3  (6,3,6,1)
```

Data Output   Explain   Messages   Notifications

```
ERROR:  insert or update on table "cart_76" violates foreign key constraint "cart_76_user_id_fkey"
DETAIL:  Key (user_id)=(3) is not present in table "user_76".
SQL state: 23503
```

Query Editor   Query History

```sql
1  INSERT INTO cart_76 (cart_id, user_id, product_id, amount)
2  VALUES
3  (6,1,5,1)
```

Data Output   Explain   Messages   Notifications

```
ERROR:  insert or update on table "cart_76" violates foreign key constraint "cart_76_product_id_fkey"
DETAIL:  Key (product_id)=(5) is not present in table "shop_76".
SQL state: 23503
```

w17-p5.1: test ON UPDATE CASCASE

FTS Configurations
FTS Dictionaries
Aa FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Procedures
1..3 Sequences
Tables (6)
  book_76
  cart_76
    Columns (4)
      cart_id
      user_id
      product_id
      amount
    Constraints (3)
      cart_76_pkey
      cart_76_product_id_fkey
      cart_76_user_id_fkey
    Indexes
    RLS Policies
    Rules

crown2_76(1102)/postgres@PostgreSQL 13

Query Editor   Query History

```
1  SELECT * FROM public.user_76
2  ORDER BY user_id ASC
```

Data Output   Explain   Messages   Notifications

	user_id [PK] integer	name character varying (255)	email character varying (255)
1	1	Doris	doris76@gms.tku.edu.tw
2	5	John	john@gms.tku.edu.tw

w17-p5.2: test ON DELETE SET NULL

- Domains
- > FTS Configurations
- > FTS Dictionaries
- > Aa FTS Parsers
- > FTS Templates
- > Foreign Tables
- > {e} Functions
- > Materialized Views
- > {} Procedures
- > 1..3 Sequences
- ∨ Tables (6)
  - > book_76
  - ∨ cart_76
    - ∨ Columns (4)
      - cart_id
      - user_id
      - product_id
      - amount
    - ∨ Constraints (3)
      - cart_76_pkey
      - cart_76_product_id_fkey
      - cart_76_user_id_fkey
    - > Indexes
    - > RLS Policies
    - > Rules
    - > Triggers
  - > category_76
  - > hats_76

crown2_76(1102)/postgres@PostgreSQL 13

Query Editor Query History

```
1  SELECT * FROM public.user_76
2  ORDER BY user_id ASC
```

Data Output   Explain   Messages   Notifications

	user_id [PK] integer	name character varying (255)	email character varying (255)
1	1	Doris	doris76@gms.tku.edu.tw
2	5	John	john@gms.tku.edu.tw

> FTS Configurations
> FTS Dictionaries
> Aa FTS Parsers
> FTS Templates
> Foreign Tables
> Functions
> Materialized Views
> Procedures
> 1..3 Sequences
> Tables (6)
  > book_76
  > cart_76
    > Columns (4)
        cart_id
        user_id
        product_id
        amount
    > Constraints (3)
        cart_76_pkey
        cart_76_product_id_fkey
        cart_76_user_id_fkey
    > Indexes
    > RLS Policies
    > Rules
    > Triggers
  > category_76
  > hats_76
  > shop_76
  > user_76
> Trigger Functions
> Types

crown2_76(1102)/postgres@PostgreSQL 13

Query Editor   Query History

```
1  SELECT * FROM public.cart_76
2  ORDER BY cart_id ASC
```

Data Output   Explain   Messages   Notifications

	cart_id [PK] integer	user_id integer	product_id integer	amount integer
1	1	1	6	1
2	2	1	15	2
3	3	1	20	1
4	4	1	28	3
5	5	1	35	2
6	7	[null]	10	1
7	8	[null]	20	2

w17-p6: implement /book_xx/delete/:id

w17-p7: implement /book_xx/update

last log


```
Doris@LAPTOP-LUHKOQB5 MINGW64 /c/1102-db-76 (main)
$ git log --pretty=format:"%h%09%an%x09%ad%x09%s" --after="2022-06-15"
6d43af0 chen945 Thu Jun 16 23:25:10 2022 +0800   w17-p7: implement /book_xx/update
2334eab chen945 Thu Jun 16 23:03:04 2022 +0800   w17-p6: implement /book_xx/delete/:id
03d0a2c chen945 Thu Jun 16 22:52:41 2022 +0800   w17-p5.2: test ON DELETE SET NULL
7e84243 chen945 Thu Jun 16 22:48:41 2022 +0800   w17-p5.1: test ON UPDATE CASCASE
9837574 chen945 Thu Jun 16 22:41:04 2022 +0800   w17-p4: insert data in order to violate the key constraints, foreign key constraints
c9744d4 chen945 Thu Jun 16 22:40:24 2022 +0800    w17-p3: give query to get related data for cart info shown in ejs
f865746 chen945 Thu Jun 16 22:34:54 2022 +0800   w17-p3: give query to get related data for cart info shown in ejs
89b05f6 chen945 Thu Jun 16 22:30:27 2022 +0800   w17-p2: create cart_xx in postgreSQL server, enter five data, one for each category
4a2b0d7 chen945 Thu Jun 16 22:21:54 2022 +0800   w17-p1: create user_xx in postgreSQL server, enter two data, the first one is about your
```

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-06-15"
6d43af0 chen945 Thu Jun 16 23:25:10 2022 +0800  w17-p7: implement /book_xx/update
2334eab chen945 Thu Jun 16 23:03:04 2022 +0800  w17-p6: implement /book_xx/delete/:id
03d0a2c chen945 Thu Jun 16 22:52:41 2022 +0800  w17-p5.2: test ON DELETE SET NULL
7e84243 chen945 Thu Jun 16 22:48:41 2022 +0800  w17-p5.1: test ON UPDATE CASCASE
9837574 chen945 Thu Jun 16 22:41:04 2022 +0800  w17-p4: insert data in order to violate the key constraints, fore
c9744d4 chen945 Thu Jun 16 22:40:24 2022 +0800   w17-p3: give query to get related data for cart info shown in e
f865746 chen945 Thu Jun 16 22:34:54 2022 +0800  w17-p3: give query to get related data for cart info shown in ej
89b05f6 chen945 Thu Jun 16 22:30:27 2022 +0800  w17-p2: create cart_xx in postgreSQL server, enter five data, on
4a2b0d7 chen945 Thu Jun 16 22:21:54 2022 +0800  w17-p1: create user_xx in postgreSQL server, enter two data, the
```