第二次实验

(1)

```sql
CREATE TABLE CUSTOMERS
(CID CHAR(8) NOT NULL UNIQUE,
CNAME CHAR(20) NOT NULL,
CITY CHAR(20),
DISCNT INT,
PRIMARY KEY(CID))

CREATE TABLE AGENTS
(AID CHAR(8) NOT NULL UNIQUE,
ANAME CHAR(20) NOT NULL,
CITY CHAR(8),
PERCENTS FLOAT,
PRIMARY KEY(AID),
CHECK (PERCENTS < 100))

CREATE TABLE PRODUCTS
(PID CHAR(8) NOT NULL UNIQUE,
PNAME CHAR(20) NOT NULL,
PRIMARY KEY(PID))
```

```sql
CREATE TABLE CUSTOMERS
(CID CHAR(8) NOT NULL UNIQUE,
CNAME CHAR(20) NOT NULL,
CITY CHAR(20),
DISCNT INT
PRIMARY KEY(CID))

CREATE TABLE AGENTS
(AID CHAR(8) NOT NULL UNIQUE,
ANAME CHAR(20) NOT NULL,
CITY CHAR(8),
PERCENTS FLOAT
PRIMARY KEY(AID),
CHECK (PERCENTS < 100))

CREATE TABLE PRODUCTS
(PID CHAR(8) NOT NULL UNIQUE,
PNAME CHAR(20) NOT NULL,
PRIMARY KEY(PID))
```

100 %

消息

命令已成功完成。

完成时间: 2021-09-07T12:30:58.9848492+08:00

(2)

```sql
CREATE TABLE ORDERS
(ORDNA CHAR(8) NOT NULL UNIQUE,
MONTH INT,
CID CHAR(8) NOT NULL,
AID CHAR(8) NOT NULL,
PID CHAR(8) NOT NULL,
QTY INT,
DOLLARS FLOAT,
FOREIGN KEY(CID) REFERENCES CUSTOMERS ON DELETE CASCADE,
FOREIGN KEY(AID) REFERENCES AGENTS ON DELETE CASCADE,
FOREIGN KEY(PID) REFERENCES PRODUCTS ON DELETE CASCADE,
PRIMARY KEY(ORDNA))
```

```sql
CREATE TABLE ORDERS
  (ORDNA CHAR(8) NOT NULL UNIQUE,
  CID CHAR(8) NOT NULL,
  AID CHAR(8) NOT NULL,
  PID CHAR(8) NOT NULL,
  QTY INT,
  DOLLARS FLOAT,
  FOREIGN KEY(CID) REFERENCES CUSTOMERS ON DELETE CASCADE,
  FOREIGN KEY(AID) REFERENCES AGENTS ON DELETE CASCADE,
  FOREIGN KEY(PID) REFERENCES PRODUCTS ON DELETE CASCADE,
  PRIMARY KEY(ORDNA))
```

100 %

消息

命令已成功完成。

完成时间: 2021-09-07T12:32:36.2926143+08:00

(3)

```sql
ALTER TABLE PRODUCTS ADD CITY CHAR(8)
ALTER TABLE PRODUCTS ADD QUANTITY INT
ALTER TABLE PRODUCTS ADD PRICE FLOAT
```

```
ALTER TABLE PRODUCTS ADD CITY CHAR(8)
ALTER TABLE PRODUCTS ADD QUANTITY INT
ALTER TABLE PRODUCTS ADD PRICE FLOAT
```

100 %

消息

命令已成功完成。

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(4)

```
CREATE INDEX XSNO ON CUSTOMERS(CID)
CREATE INDEX XSNO ON AGENTS(AID)
CREATE INDEX XSNO ON PRODUCTS(PID)
CREATE INDEX XSNO ON ORDERS(ORDNA)
```

```
CREATE INDEX XINO ON CUSTOMERS(CID)
CREATE INDEX XINO ON AGENTS(AID)
CREATE INDEX XINO ON PRODUCTS(PID)
CREATE INDEX XINO ON ORDERS(ORDNA)
```
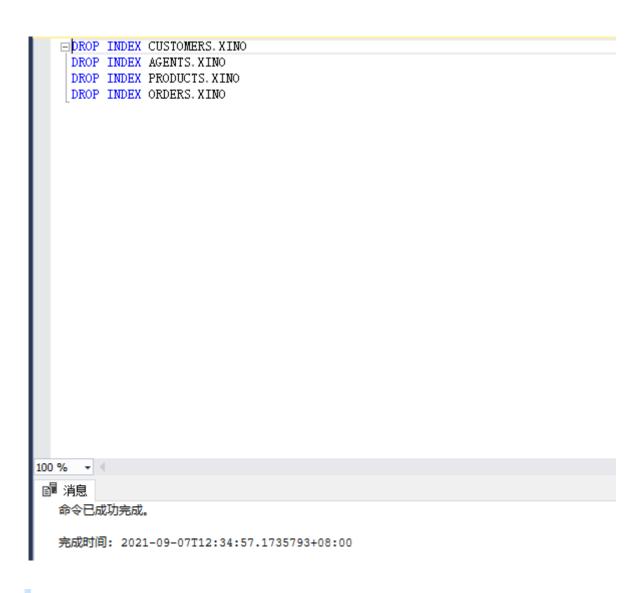
100 %

📧 消息

命令已成功完成。

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(5)

```
DROP INDEX CUSTOMERS.XSNO
DROP INDEX AGENTS.XSNO
DROP INDEX PRODUCTS.XSNO
DROP INDEX ORDERS.XSNO
```

```
DROP INDEX CUSTOMERS.XINO
DROP INDEX AGENTS.XINO
DROP INDEX PRODUCTS.XINO
DROP INDEX ORDERS.XINO
```

100 %

消息

命令已成功完成。

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(6)

```
CREATE UNIQUE INDEX RNUA ON CUSTOMERS(CNAME DESC)
```

```
CREATE UNIQUE INDEX RNUA ON CUSTOMERS(CNAME DESC)
```

100 % ▼ ◁

消息

命令已成功完成。

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(7)

```
ALTER TABLE AGENTS DROP COLUMN CITY
```

```
ALTER TABLE AGENTS DROP COLUMN CITY
```

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命令已成功完成。

完成时间: 2021-09-07T12:35:49.6088388+08:00

(8)

```sql
ALTER TABLE CUSTOMERS ALTER COLUMN CITY CHAR(40)
```

```
ALTER TABLE CUSTOMERS ALTER COLUMN CITY CHAR(40)
```

100 %

消息

命令已成功完成。

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(9)

```
DROP TABLE ORDERS
```

```
DROP TABLE ORDERS
```

100 %

消息

命令已成功完成。

完成时间： 2021-09-07T12:36:31.3345487+08:00