1. Our database (SUSTC) contains a total of 8 tables. The following is a basic description of each table:
2. contract: containing information of 5000 contracts. Column ‘number’ that is primary key indicates the contract number. Column ‘contract\_date’ means the date of creating the contract. Column ‘client\_enterprise’ which is a foreign key references client\_enterprise, is the name of the client enterprise that the contract serves.
3. contract\_order: store the order information of each contract, in total 50000. Column ‘contract\_number’ means the order belongs to which contract that is a foreign key references contract.Column ‘id’ means the order is the rank in the contract.The column ‘id’ and the column ‘contract\_number’ together are as primary key. Column ‘model’ means the product specific model that the order should supply. Column ‘estimated \_delivery\_date’ means the estimated date of the delivery of the product. Column ‘lodgement\_date’ whose element can be null means the actual date of the delivery of the product.Column ‘quantity’ means the quantity of the product the order need. Column ‘salesman\_number’ means the number of the each order ‘s salesman that is a foreign key references salesman.
4. product: store product information (including product name and code).Column ‘code’ is unique identifier of the product which is primary key. Column ‘product\_name’ means the name of the product.
5. model: store the specific product model information. Column ‘model\_name’ means name of the model which is primary key to differ from each other. Column ‘unit price’ means unit price per product model. Column ‘product\_node’ means the model belongs which product which is foreign key references product.
6. salesman:store each salesman’s information. Column ‘number’ is unique identifier of the salesman which is primary key. Column ‘name’ means the name of salesman which can be repeated. Column ‘gender’ means the gender of the salesman. Column ’age’ means the age of the salesman. Column ‘phone\_number’ means the phone number of the salesman.
7. client\_enterprise:store the information of client enterprises. Column ‘name’ means the name of the name of the client enterprise that is primary key to identity. Column ‘industry’ means the industry of client enterprise. Column ‘location\_id’ implies the location of client enterprise which is foreign key references location. Column ‘supply\_center’ which is a foreign key means the supply center which supply product to client enterprise.
8. location:

8.supply\_center: store the information of 7 supply centers and their managers.Column ‘center\_name’ means the name of supply center. Column ‘director’ means the manager of the supply center. Both of them is the table’s primary key.

二．Task3

When importing the data from csv file into postgres database, I directly imported the data using the same method as GoodLoader given by teacher from the beginning, turning off autoCOMMIT and using batch commit and preset commands.