**FK**

ALTER TABLE report

ADD CONSTRAINT fk\_report\_users

FOREIGN KEY (rep\_userid)

REFERENCES users(user\_id);

ALTER TABLE credential

ADD CONSTRAINT fk\_credential\_users

FOREIGN KEY (cre\_userid)

REFERENCES users(user\_id);

ALTER TABLE consumption

ADD CONSTRAINT fk\_consumption\_users

FOREIGN KEY (con\_userid)

REFERENCES users(user\_id);

ALTER TABLE consumption

ADD CONSTRAINT fk\_consumption\_food

FOREIGN KEY (con\_foodid)

REFERENCES food(food\_id);

**Sequence of userid**

create sequence userid\_seq

increment by 1;

**insert data into user**

insert into users values(1,'amy','wang','amywang@gmail.com','North Road','VIC3168','f',2,1621,88.5,182.5,'1980-04-29');

insert into users values(2,'andy','liu','andyliu@gmail.com','North Road','VIC3168','m',3,1121,56,168,'1978-05-13');

insert into users values (3,'jack','ma','jackma@gmail.com','North Road','VIC3168','m',3,1329,69,178,'1999-11-22');

insert into users values (4,'mark','wang','markwang@gmail.com','North Road','VIC3168','m',4,899,65,175,'1992-07-26');

insert into users values (5,'lili','cao','lilicao@gmail.com','North Road','VIC3168','f',1,1792,71,189,'1989-04-26');

**insert data into food**

insert into food

values (1,'Apple butter','Sauce',34,'Tbsp',1,0);

insert into food

values (2,'Baby corn','Vegetable',20,'cup',0.5,0);

insert into food

values (3,'Bacon:turkey','Meat',32,'slice',1,2);

insert into food

values (4,'Bacon:pork','Meat',36,'slice',1,3);

insert into food

values (5,'Beans, mung','Vegetable',139,'cup',0.5,0);

insert into food

values (6,'Beets','Vegetable',37,'cup',0.5,0);

insert into food

values (7,'Beef, canned','Meat',166,'cup',0.5,10);

insert into food

values (8,'Broccoli','Vegetable',26,'cup',0.5,0);

insert into food

values (9,'Bulgur, cooked','Vegetable',74,'cup',0.5,0);

insert into food

values (10,'Butter buds','Sauce',6,'tsp',1,0);

insert into food

values (11,'Cabbage:no fat added','Vegetable',16,'cup',0.5,0);

insert into food

values (12,'Caviar','Sauce',40,'Tbsp',1,3);

insert into food

values (13,'Celery','Vegetable',13,'cup',0.5,0);

insert into food

values (14,'Chili sauce','Sauce',16,'Tbsp',1,0);

insert into food

values (15,'Coleslaw:with nonfat mayo','Vegetable',48,'cup',0.5,0);

insert into food

values (16,'Corn:whole kernel','Vegetable',66,'cup',0.5,0);

insert into food

values (17,'Ground lamb','Meat',235,'oz',3,17);

insert into food

values (18,'Ground pork','Meat',246,'oz',3,17);

insert into food

values (19,'Ground veal','Meat',139,'oz',3,5);

insert into food

values (20,'Ham hocks','Meat',109,'pc',1,5);

**insert data into report**

insert into report

values (1,1,'2019-03-21',1591,1421,9837,1600);

insert into report

values (2,2,'2019-02-27',1981,1722,5786,2000);

insert into report

values (3,3,'2019-01-19',2019,1653,13217,2100);

insert into report

values (4,4,'2019-01-13',1672,1391,12831,1700);

insert into report

values (5,5,'2019-03-18',1871,1432,8761,1900);

**insert data into credential**

insert into credential

values (1,1,'2018-03-21','amywang@gmail.com','0000000000000000');

insert into credential

values (2,2,'2018-02-27','andyliu@gmail.com','0000000000000000');

insert into credential

values (3,3,'2018-01-19','jackma@gmail.com','0000000000000000');

insert into credential

values (4,4,'2018-01-13','lilicao@gmail.com','0000000000000000');

insert into credential

values (5,5,'2018-03-18','markwang@gmail.com','0000000000000000');

**insert into consumption**

insert into consumption

values(1,1,5,'2019-01-21',2);

insert into consumption

values(2,2,3,'2019-02-11',4);

insert into consumption

values(3,3,4,'2019-03-13',3);

insert into consumption

values(4,4,12,'2019-02-19',1);

insert into consumption

values(5,5,17,'2019-03-08',1);

**change the data length of column**

ALTER TABLE food ALTER COLUMN food\_severunit SET DATA TYPE VARCHAR(10);

**Sequence**

Create sequence user\_seq start with 5;