Create table method\_(

method\_id INT NOT NULL,

descrip\_method text,

Primary key (method\_id)

);

Create table background\_teacher(

backgrnd varchar NOT NULL,

Teaching\_experience int ,

PRIMARY KEY(background)

);

Create table books(

Level char NOT NULL,

Author char,

Date\_expiry date,

PRIMARY KEY(level)

);

create table teacher (

teacher\_id int NOT NULL,

salary int ,

characteristic text,

fname\_teacher varchar,

lname\_teacher varchar,

foreigner bool,

PRIMARY KEY (teacher\_id)

);

create table student (

student\_id int NOT NULL,

fname varchar,

lname varchar,

method\_id int,

level\_English varchar,

PRIMARY KEY (student\_id)

);

create table organization (

address varchar NOT NULL,

city varchar ,

country varchar,

name char,

PRIMARY KEY (name)

);

create table certificate (

heads\_name varchar NOT NULL,

level\_passed varchar,

organization varchar,

fname varchar,

lname varchar,

PRIMARY KEY (organization)

);

create table result\_before(

writing\_before decimal NOT NULL,

listening\_before decimal,

speaking\_before decimal,

reading\_before decimal,

PRIMARY KEY (writing\_before)

);

create table result\_after(

writing\_after decimal NOT NULL,

listening\_after decimal,

speaking\_after decimal,

reading\_after decimal,

PRIMARY KEY (writing\_after)

);

create table groups(

group\_id int NOT NULL,

group\_level varchar,

group\_num int,

PRIMARY KEY (group\_id)

);

alter table result\_after add column student\_id int;

alter table result\_before add column student\_id int;

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SELECT

method\_id

description\_method

teacher\_id

salary

characteristic,

fname\_teacher,

lname\_teacher,

foreigner

FROM

method\_

FULL OUTER JOIN teacher

on teacher\_id = method\_id

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SELECT

Writing\_before

Listening\_before

Speaking\_before

Reading\_before

Writing\_after

Listening\_after

Speaking\_after

Reading\_after

FROM

Result\_before

FULL OUTER JOIN result\_after

On result\_before.student\_id = result\_after.student\_id

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1.

insert into background\_teacher (teaching\_experience, backgrnd) values ('3 ', 'teacher' );

insert into background\_teacher (teaching\_experience, backgrnd) values ('2 ','doctor');

insert into background\_teacher (teaching\_experience, backgrnd) values ('7 ','teacher');

insert into background\_teacher (teaching\_experience, backgrnd) values ('10 ','teacher');

insert into background\_teacher (teaching\_experience, backgrnd) values ('15' , 'teacher' );

insert into background\_teacher (teaching\_experience, backgrnd) values ('2 ', 'book writer');

insert into background\_teacher (teaching\_experience, backgrnd) values ('4 ', 'no background');

insert into background\_teacher (teaching\_experience, backgrnd) values ('12', 'teacher');

insert into background\_teacher (teaching\_experience, backgrnd) values ('5 ', 'accountant');

insert into background\_teacher (teaching\_experience, backgrnd) values ('3 years', 'IT');

insert into background\_teacher (teaching\_experience, backgrnd) values ('8 years', 'teacher');

insert into background\_teacher (teaching\_experience0, backgrnd) values ('17 years','teacher');