set serveroutput on;

create or replace procedure totalmonthlyincome is

cursor income\_cursor is

select extract(year from r.dateofreservation) as yr, extract(month from r.dateofreservation) as mon,

s.servicetype, s.costperperson, r.eventtype, r.numpeople, i.totalcost, sum(i.totalcost \* (1 - i.discountsapplied/100)) as total\_income

from services s, reservation r, invoice i

where s.reservationid = r.reservationid and i.invoiceid = r.invoiceid

group by extract(year from r.dateofreservation), r.dateofreservation, extract(month from r.dateofreservation), r.dateofreservation, s.servicetype,

s.costperperson, r.eventtype, r.numpeople, i.totalcost

order by yr, mon;

income\_row income\_cursor%rowtype;

begin

loop

fetch income\_cursor into income\_row;

exit when income\_cursor%notfound;

end loop;

dbms\_output.put\_line('total income is: '|| income\_row.total\_income);

end;

set serveroutput on;

create or replace procedure totalmonthlyincome is

cursor income\_cursor is

select extract(year from r.dateofreservation) as yr, extract(month from r.dateofreservation) as mon,

s.servicetype, s.costperperson, r.eventtype, r.numpeople, i.totalcost,

sum(i.totalcost \* (1 - i.discountsapplied/100)) as total\_income

from services s, reservation r, invoice i

where s.reservationid = r.reservationid and i.invoiceid = r.invoiceid

group by extract(year from r.dateofreservation), r.dateofreservation, extract(month from r.dateofreservation),

r.dateofreservation, s.servicetype, s.costperperson, r.eventtype, r.numpeople, i.totalcost

order by yr, mon;

income\_row income\_cursor%rowtype;

sum1 number;

sum2 number;

begin

loop

fetch income\_cursor into income\_row;

exit when income\_cursor%notfound;

dbms\_output.put\_line('EventName '|| income\_row.eventtype ||' '|| 'ServiceName: ' || income\_row.servicetype ||' ' || 'Total Event cost: '|| income\_row.totalcost);

end loop;

dbms\_output.put\_line('total income is: '|| income\_row.total\_income);

end;

edZhimin’s code

drop table EventPlace;

drop table Hall;

drop table hall\_r;

drop sequence seq\_event\_place;

drop sequence seq\_hall\_r;

Create table EventPlace(

eventPlaceID number,

eventPlaceName varchar(50),

address varchar(20),

city varchar(20),

state\_name varchar(2),

zipCode integer,

buildingType varchar(20),

phoneNumber varchar(20),

constraint pk\_eventPlaceID primary key (eventPlaceID)

);

Create table Hall(

hallID number,

eventPlaceID number,

hallCapacity number,

hallPrice number,

hallType varchar(20),

constraint pk\_hallID primary key (hallID)

);

Create table hall\_r

(hr\_id number,

num\_of\_hall number,

eventPlaceID number,

hallID number,

CONSTRAINT hr\_id\_pk PRIMARY KEY (hr\_id));

create sequence seq\_event\_place

minvalue 1

MAXVALUE 999999

start with 1

increment by 1;

create sequence seq\_hall\_r

minvalue 1

MAXVALUE 999999

start with 1

increment by 1;

create sequence seq\_hall

minvalue 1

maxvalue 999999

start with 3

increment by 1;

/\*111111111111111111111111111111111111111111111\*/

SET SERVEROUTPUT ON;

create or replace procedure add\_new\_ep (

ep\_id\_a in number,

ep\_name\_a in varchar2,

Address\_a in varchar2,

City\_a in varchar2,

ep\_State\_a in varchar2,

Zip\_code\_a in number,

ep\_type\_a in varchar2,

Phone\_a in varchar2

)

as

begin

insert into EventPlace

(eventPlaceID, eventPlaceName, address,city, state\_name, zipCode, buildingType,phoneNumber)

values

(ep\_id\_a, ep\_name\_a, Address\_a, City\_a, ep\_State\_a, zip\_code\_a, ep\_type\_a,Phone\_a);

exception

when dup\_val\_on\_index then

dbms\_output.put\_line('oops: something wrong' );

rollback;

end;

exec add\_new\_ep (seq\_event\_place.nextval,'h0','110rd','Baltimore','MD','21200','hotel','111-111-1111');

exec add\_new\_ep (seq\_event\_place.nextval,'U1','111rd','Baltimore','MD','21200','university','111-111-1111');

exec add\_new\_ep (seq\_event\_place.nextval,'H1','112rd','Baltimore','MD','21200','hotel','222-222-2222');

exec add\_new\_ep (seq\_event\_place.nextval,'C1','113rd','San Francisco','CA','94100','college','333-333-3333');

exec add\_new\_ep (seq\_event\_place.nextval,'C2','114rd','Baltimore','MD','21200','college','444-444-4444');

select \* from EventPlace;

DELETE FROM EventPlace WHERE eventPlaceID =1;

rollback;

/\*2222222222222222222222222222222222222222222222222222222222222\*/

create or replace PROCEDURE show\_epid (s\_Address varchar2) is

show\_ep\_id number;

begin

select eventPlaceID

into show\_ep\_id

from EventPlace

where address= s\_Address;

dbms\_output.put\_line(show\_ep\_id);

exception

when no\_data\_found then

dbms\_output.put\_line('Please input correct address!');

end;

exec show\_epid ('111rd');

/\*3333333333333333333333333333333333333333333333333333\*/

create or replace PROCEDURE show\_ep\_info(i\_ep\_id number)is

cursor ep\_cursor IS

select \* from EventPlace

where eventPlaceID = i\_ep\_id;

e\_row ep\_cursor%rowtype;

begin

for e\_row in ep\_cursor

loop

dbms\_output.put\_line(e\_row.eventPlaceName||' '||

e\_row.address||' '||e\_row.city||' '||

e\_row.state\_name||' '||

e\_row.zipCode||' '||

e\_row.buildingType||' '||

e\_row.phoneNumber);

end loop;

exception

when others then

dbms\_output.put\_line('No record!' );

end;

exec show\_ep\_info(2);

/\*444444444444444444444444444444444\*/

insert into hall

(hallID,hallCapacity,hallPrice,hallType)

values

(1,100,500,'small');

insert into hall

(hallID,hallCapacity,hallPrice,hallType)

values

(2,250,1000,'medium');

insert into hall

(hallID,hallCapacity,hallPrice,hallType)

values

(3,500,2000,'large');

select\*from hall;

insert into EventPlace

values

(2,'u1','1222','Baltimore',

'MD',21200,'University',null);

insert into EventPlace

values

(3,'c1','1333','San Francisco',

'CA',21200,'college',null);

select\*from EventPlace;

create or replace PROCEDURE add\_hall(hr\_id\_a in number,

noh in number,ep\_id\_a number, Hall\_id\_a number)

as

begin

INSERT into hall\_r

(hr\_id,num\_of\_hall, eventPlaceID, hallID)

values

(hr\_id\_a,noh,ep\_id\_a,Hall\_id\_a);

exception

when dup\_val\_on\_index then

dbms\_output.put\_line('oops: something wrong' );

rollback;

end;

exec add\_hall(seq\_hall\_r.nextval,1,2,1);

exec add\_hall(seq\_hall\_r.nextval,5,2,3);

exec add\_hall(seq\_hall\_r.nextval,1,3,1);

exec add\_hall(seq\_hall\_r.nextval,1,3,2);

exec add\_hall(seq\_hall\_r.nextval,1,3,3);

exec add\_hall(seq\_hall\_r.nextval,1,4,1);

exec add\_hall(seq\_hall\_r.nextval,5,4,3);

exec add\_hall(seq\_hall\_r.nextval,1,5,1);

exec add\_hall(seq\_hall\_r.nextval,1,5,2);

exec add\_hall(seq\_hall\_r.nextval,1,5,3);

commit;

select \* from hall\_r;

/\*5555555555555555555555555555555555555555555555555\*/

create or REPLACE PROCEDURE report\_m1(ep\_State\_r in varchar2) is

cursor esr\_cursor IS

select EventPlace.eventPlaceName,EventPlace.address,EventPlace.city,

EventPlace.state\_name,EventPlace.zipCode,EventPlace.buildingType,EventPlace.phoneNumber,

hall\_r.num\_of\_hall,hall.hallType,hall.hallCapacity

from EventPlace,hall\_r,hall

where state\_name = ep\_State\_r

and EventPlace.eventPlaceID = hall\_r.eventPlaceID

and hall\_r.hallID = hall.hallID;

r\_row esr\_cursor%rowtype;

begin

for r\_row in esr\_cursor

loop

dbms\_output.put\_line(r\_row.eventPlaceName||' '||

r\_row.address||' '||r\_row.city||' '||

r\_row.state\_name||' '||

r\_row.zipCode||' type:'||

r\_row.hallType||' total capacity:'||

r\_row.num\_of\_hall\*

r\_row.hallCapacity);

end loop;

exception

when others then

dbms\_output.put\_line('No record!' );

end;

select \* from EventPlace;

select \* from hall;

select \* from hall\_r;

exec report\_m1('MD');

exec report\_m1('CA');

SET SERVEROUTPUT ON;

rollback;

========================================================================

#13

SET SERVEROUTPUT ON;

create or replace procedure All\_events(event\_reserver in char) is

cursor customer\_events is

select reservation.nameReserver, reservation.eventPlaceID,

reservation.startDate, reservation.endDate, reservation.numPeople

from invoice, reservation

where event\_reserver = reservation.nameReserver

and invoice.invoiceID = reservation.invoiceID;

e\_row customer\_events%rowtype;

begin

for r\_row in customer\_events

loop

dbms\_output.put\_line('Name:'||' '||r\_row.nameReserver||' '||

'EventID:'||' '|| r\_row.eventPlaceID||' '||'Start Date:'||' '||

r\_row.startDate||' '||'End Date'||' '|| r\_row.endDate||' '||'Number of People:'

||' '|| r\_row.numPeople);

end loop;

end;

15)

SET SERVEROUTPUT ON;

create or replace procedure addService(res\_ID in number ,ServiceName in varchar, eventDate in date, serviceCost in number)

is cursor get\_reservation is (select reservationID from reservation where res\_ID = reservationID);

begin

open get\_reservation;

fetch get\_reservation into v\_row;

if(get\_reservation%notfound or v\_row,reservationstatus = 'no') then raise no\_data\_found;

else insert into services values(services\_SEQ.nextval, servicename, servicecost, reservationID);

end if;

exception

when no\_data\_found then

dbms\_output.put\_line('This reservation id does not exist');

end;

***FINAL SCRIPT BELOW***

***set SERVEROUTPUT ON;***

***delete from services;***

***delete from reservation;***

***delete from invoice;***

***delete from hall;***

***delete from eventplace;***

***drop sequence seq\_event\_place;***

***drop sequence seq\_inv;***

***drop sequence seq\_hall;***

***drop sequence services\_seq;***

***drop sequence reservation\_seq;***

***CREATE SEQUENCE "IS420\_TEAM10"."RESERVATION\_SEQ" MINVALUE 1 MAXVALUE 9999999999999999999999999999 INCREMENT BY 1 START WITH 4 CACHE 20 NOORDER NOCYCLE ;***

***CREATE SEQUENCE "IS420\_TEAM10"."SERVICES\_SEQ" MINVALUE 1 MAXVALUE 9999999999999999999999999999 INCREMENT BY 1 START WITH 1 CACHE 20 NOORDER NOCYCLE ;***

***CREATE SEQUENCE "IS420\_TEAM10"."SEQ\_EVENT\_PLACE" MINVALUE 1 MAXVALUE 999999 INCREMENT BY 1 START WITH 1 CACHE 20 NOORDER NOCYCLE ;***

***CREATE SEQUENCE "IS420\_TEAM10"."SEQ\_HALL" MINVALUE 1 MAXVALUE 999999 INCREMENT BY 1 START WITH 1 CACHE 20 NOORDER NOCYCLE ;***

***CREATE SEQUENCE "IS420\_TEAM10"."SEQ\_INV" MINVALUE 1 MAXVALUE 999999 INCREMENT BY 1 START WITH 1 CACHE 20 NOORDER NOCYCLE ;***

***-----------------------------------------------------------------------------------***

***--Member 1 code***

***exec add\_new\_ep('h0','110rd','Baltimore','MD','21200','hotel','111-111-1111');***

***exec add\_hall(show\_ep\_id('110rd'), 100, 500, 'Small');***

***exec add\_hall(show\_ep\_id('110rd'), 100, 500, 'Small');***

***exec add\_hall(show\_ep\_id('110rd'), 250, 1000, 'Medium');***

***exec add\_hall(show\_ep\_id('110rd'), 250, 1000, 'Medium');***

***exec add\_hall(show\_ep\_id('110rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('110rd'), 500, 2000, 'Large');***

***exec add\_new\_ep ('U1','111rd','Baltimore','MD','21200','university','111-111-1111');***

***exec add\_hall(show\_ep\_id('111rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('111rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('111rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('111rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('111rd'), 500, 2000, 'Large');***

***exec add\_new\_ep ('H1','112rd','Baltimore','MD','21200','hotel','222-222-2222');***

***exec add\_hall(show\_ep\_id('112rd'), 100, 500, 'Small');***

***exec add\_hall(show\_ep\_id('112rd'), 250, 1000, 'Medium');***

***exec add\_hall(show\_ep\_id('112rd'), 500, 2000, 'Large');***

***exec add\_new\_ep ('C1','113rd','San Francisco','CA','94100','college','333-333-3333');***

***exec add\_hall(show\_ep\_id('113rd'), 100, 500, 'Small');***

***exec add\_hall(show\_ep\_id('113rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('113rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('113rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('113rd'), 500, 2000, 'Large');***

***exec add\_hall(show\_ep\_id('113rd'), 500, 2000, 'Large');***

***exec add\_new\_ep ('C2','114rd','Baltimore','MD','21200','college','444-444-4444');***

***exec add\_hall(show\_ep\_id('114rd'), 100, 500, 'Small');***

***exec add\_hall(show\_ep\_id('114rd'), 250, 1000, 'Medium');***

***exec add\_hall(show\_ep\_id('114rd'), 500, 2000, 'Large');***

***DELETE FROM hall WHERE show\_ep\_id('110rd') = eventplaceid;***

***DELETE FROM EventPlace WHERE 'h0' = eventplacename;***

***exec show\_ep\_info(1);***

***exec report\_m1('MD');***

***exec report\_m1('CA');***

***-----------------------------------------------------------------------------------***

***--Member 2 code***

***exec createReservation(7, 0,date '2019-03-10',date '2019-03-10', 'Conference', date '2019-03-10',100, 'Active', 'Mrs. Brown');***

***exec createReservation(12, 0,date '2019-03-09',date '2019-03-09', 'Hackathon', date '2019-03-09',100, 'Active', 'Mr. Zero');***

***exec createReservation(12, 0,date '2019-07-09',date '2019-07-09', 'Workshop', date '2019-07-09',50, 'Active', 'Mr. Zero');***

***exec createReservation(9, 0,date '2019-03-10',date '2019-03-10', 'Hackathon', date '2019-03-10', 1000, 'Active', 'Mrs. Brown');***

***exec createReservation(10, 0,date '2019-03-10',date '2019-03-10', 'Hackathon', date '2019-03-10', 1000, 'Active', 'Mrs. Brown');***

***exec createReservation(21, 0,date '2019-12-20',date '2019-12-22', 'Workshop', date '2019-12-20', 100, 'Active', 'Mr. Happy');***

***--select find\_reservation('Mr. Zero', date '2019-07-09', show\_ep\_id('112rd')) from dual;***

***exec cancelRes(find\_reservation('Mr. Zero', date '2019-07-09', show\_ep\_id('112rd')));***

***exec showCancellations;***

***--select show\_res\_id('Mr. Zero', date '2019-07-09) from dual;***

***-------------------------------------------------------------------------------***

***--M3-1***

***exec change\_eventdate(7,date'2019-12-20',date'2019-12-20');***

***exec change\_eventdate(8,date'2019-12-20',date'2019-12-20');***

***--M3-2***

***exec eventtypelist('Conference');***

***--M3-3***

***exec all\_events('Mr. Zero');***

***--M3-4***

***exec all\_events('Mrs. Brown');***

***--M3-5***

***exec all\_events('Mr. Happy');***

***--M3-6***

***--Exec totalincome(date’2019-03-1’,date’2019-04-01’);***

***-------------------------------------------------------------------------------***

***--M4-1***

***Exec addService(find\_reservation('Mrs. Brown', date '2019-03-10', show\_ep\_id('111rd')), 'Breakfast', date '2019-03-10');***

***--M4-2***

***exec reservationservice(find\_reservation('Mrs. Brown', date '2019-03-10', show\_ep\_id('111rd')));***

***--M4-3***

***Exec addService(find\_reservation('Mrs. Brown', date '2019-03-10', show\_ep\_id('111rd')), 'DJ', date '2019-03-10' );***

***--M4-4***

***Exec addService(find\_reservation('Mr. Zero', date '2019-07-9', show\_ep\_id('112rd')), 'Breakfast', date '2019-07-9' );***

***Exec addService(find\_reservation('Mr. Happy', date '2019-12-20', show\_ep\_id('114rd')), 'Breakfast', date '2019-12-20' );***

***--M4-5***

***exec showspecificservice('DJ');***

***--M4-6***

***exec showspecificservice('Breakfast');***

***--M4-7***

***exec displayincome(show\_ep\_id('112rd'));***

***-------------------------------------------------------------------------------***

***--M5-1***

***Exec typeHall(show\_ep\_id('111rd'));***

***Exec typeHall(show\_ep\_id('112rd'));***

***Exec typeHall(show\_ep\_id('113rd'));***

***Exec typeHall(show\_ep\_id('114rd'));***

***--M5-2***

***Exec eventInvoice(find\_reservation('Mrs. Brown', date '2019-03-10', show\_ep\_id('111rd')));***

***Exec eventInvoice(7);***

***Exec eventInvoice(8);***

***--M5-3***

***Exec eventInvoice(5);***

***Exec eventInvoice(6);***

***--M5-4***

***Exec eventInvoice(find\_reservation('Mr. Happy', date '2019-12-20', show\_ep\_id('114rd')));***

***--M5-5***

***Exec incByState('CA');***

***Exec incByState('MD');***

***-------------------------------------------------------------------------------***

***select \* from eventplace;***

***select \* from hall;***

***select \* from reservation;***

***select \* from services;***

***select \* from invoice;***