

Schema(plsql CODE):

>>>>>>>>>>>>>>>CREATE TABLE<<<<<<<<<<<<<<<

```
create table bus_details(bus_name char(15) primary key,total_seats  
number(3),reserved_seats number(3));
```

```
create table busreservation_status(bus_name char(15) references  
bus_details(bus_name),seat_id number(3),reserved char(2) check (reserved  
in('y','n')),customer_name char(15));
```

Tables:

Reservation Status:

Field Name	Data Type
Bus_name	Char(15)
Seat_id	Number(3)
Reserved	Char(2)
Customer_name	Char(15)

Bus Details:

Field Name	Data Type
Bus_name	Char(15)
Total_seats	Number(3)
Reserved_seats	Number(3)

[illegible]**declare****bname char(15);****tot number(3);**

```
resv number(3);
```

```
cursor cur is select * from bus_details;
```

begin

```
insert into bus_details values(:bus_name,:total_seats,0);
```

```
open cur;
```

loop

fetch cur into bname,tot,resv;

if cur%found then

for i in 1..tot

loop

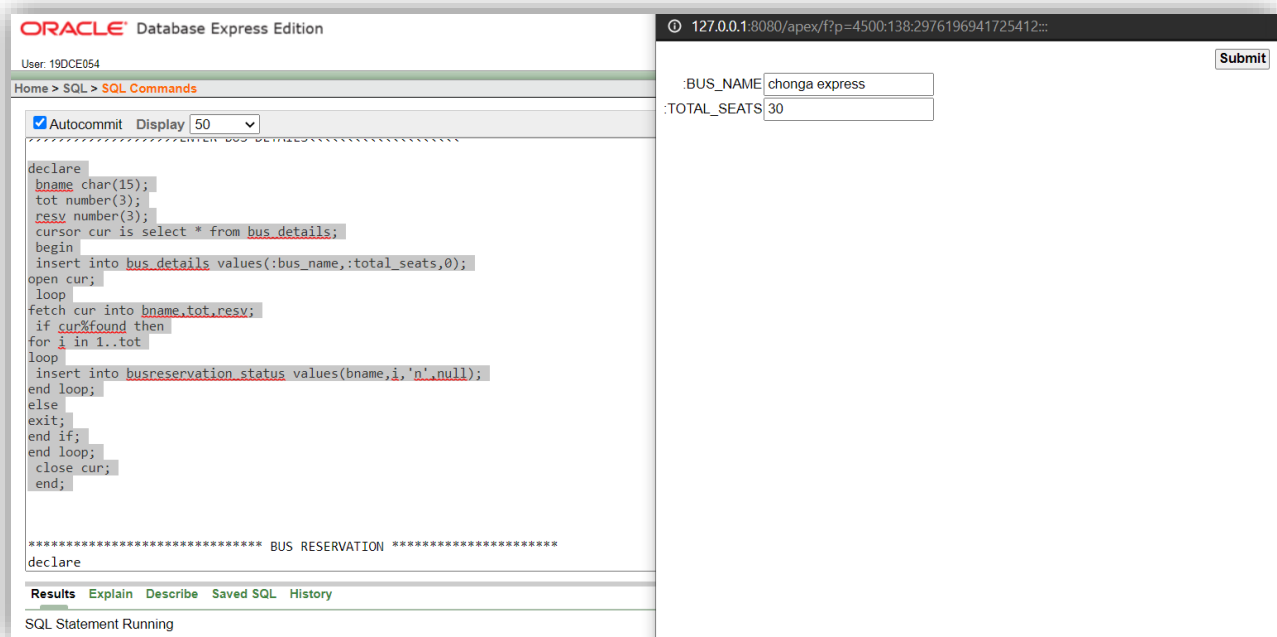
```
insert into busreservation_status values(bname,i,'n',null);
```

end loop;

```

else
exit;
end if;
end loop;
close cur;
end;

```

[illegible]

```
select * from bus_details;
```

```
select * from busreservation_status;
```

```
delete from bus_details;
```

```
delete from busreservation_status;
```

ORACLE Database Express Edition

User 19DCE054

Home > SQL > SQL Commands

☒ Autocommit Display 50

```
declare
bname char(15);
tot number(3);
resv number(3);
cursor cur is select * from bus_details;
begin
insert into bus_details values(:bus name,:total seats,0);
open cur;
loop
fetch cur into bname,tot,resv;
if cur%found then
for i in 1..tot
loop
insert into busreservation status values(bname,i,'n',null);
end loop;
else
exit;
end if;
end loop;
close cur;
end;
```

***** BUS RESERVATION *****

```
declare
```

Results Explain Describe Saved SQL History

1 row(s) inserted.

0.00 seconds

Results	Explain	Describe	Saved SQL	History
SQL				
BUS_NAME	SEAT_ID	RESERVED	CUSTOMER_NAME	
chonga express	1	n	-	
chonga express	2	n	-	
chonga express	3	n	-	
chonga express	4	n	-	
chonga express	5	n	-	
chonga express	6	n	-	
chonga express	7	n	-	
chonga express	8	n	-	
chonga express	9	n	-	
chonga express	10	n	-	
chonga express	11	n	-	
chonga express	12	n	-	
chonga express	13	n	-	
chonga express	14	n	-	
chonga express	15	n	-	
chonga express	16	n	-	
chonga express	17	n	-	
chonga express	18	n	-	
chonga express	19	n	-	
chonga express	20	n	-	
chonga express	21	n	-	
chonga express	22	n	-	
chonga express	23	n	-	
chonga express	24	n	-	
chonga express	25	n	-	
chonga express	26	n	-	
chonga express	27	n	-	
chonga express	28	n	-	
chonga express	29	n	-	
chonga express	30	n	-	

30 rows returned in 0.00 seconds

[CSV Export](#)

Language: en

[illegible]

***** BUS RESERVATION *****

```

declare
cname char(15);
bname char(15);
sid number(3);
tot number(3);
resv number(3);
begin
cname:= :customer_name;
bname:= :bus_name;
select total_seats into tot from bus_details where bus_name=bname;
select reserved_seats into resv from bus_details where bus_name=bname;
if tot>resv then
    select MIN(seat_id) into sid from busreservation_status where bus_name=bname
    and reserved='n';

update busreservation_status set reserved='y' where bus_name=bname and
seat_id=sid;

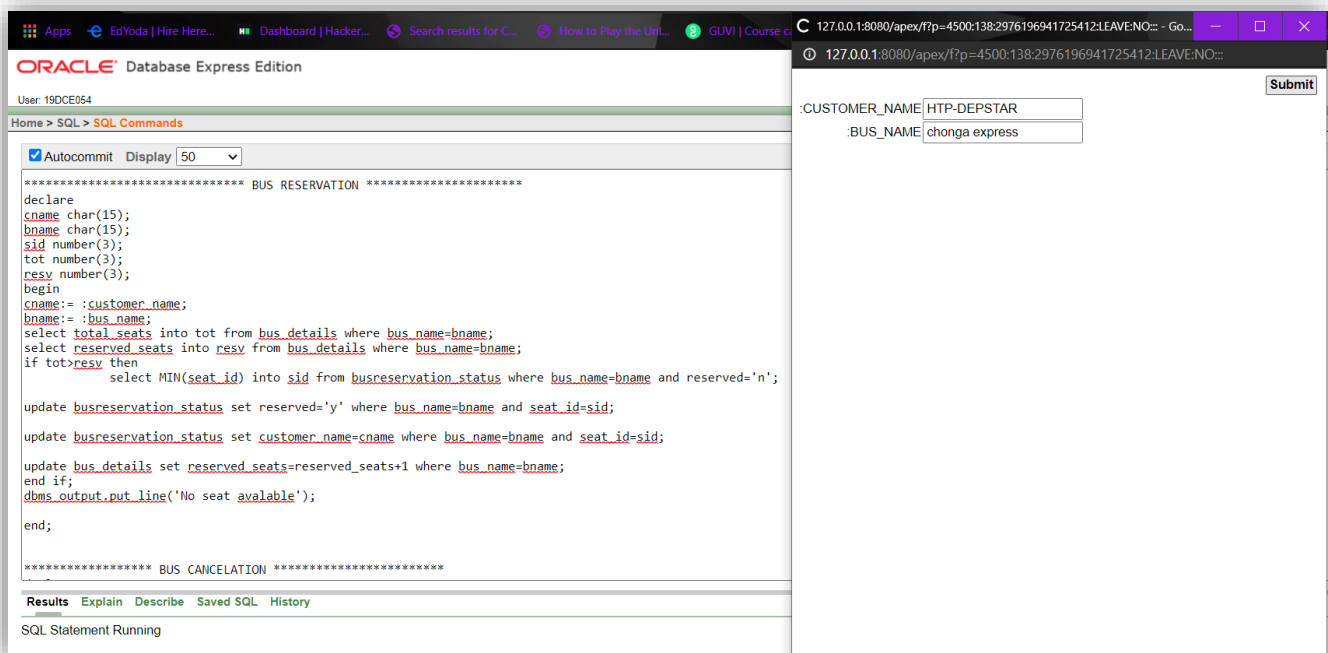
update busreservation_status set customer_name=cname where bus_name=bname and
seat_id=sid;

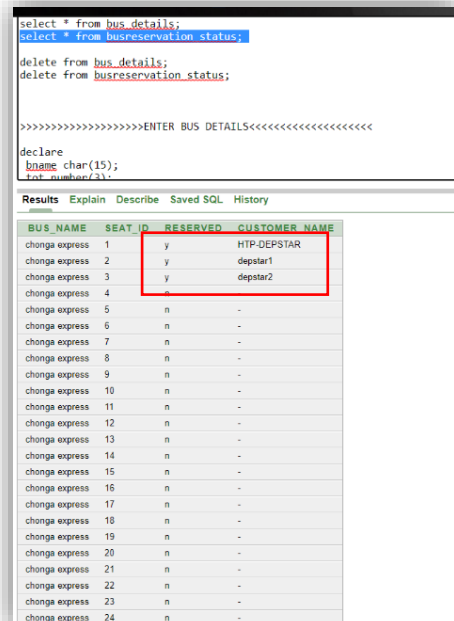
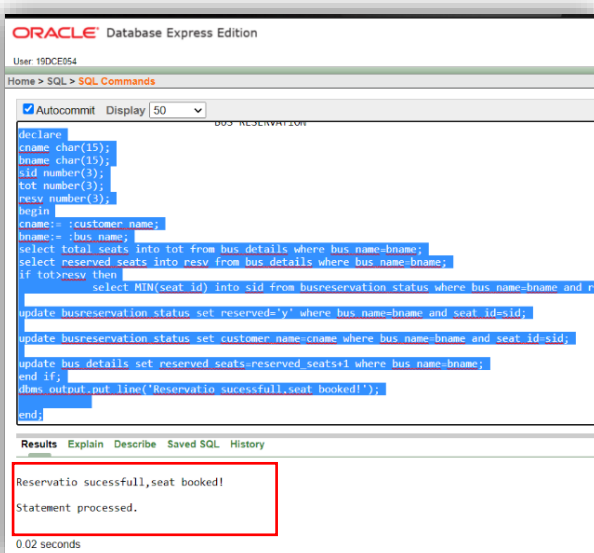
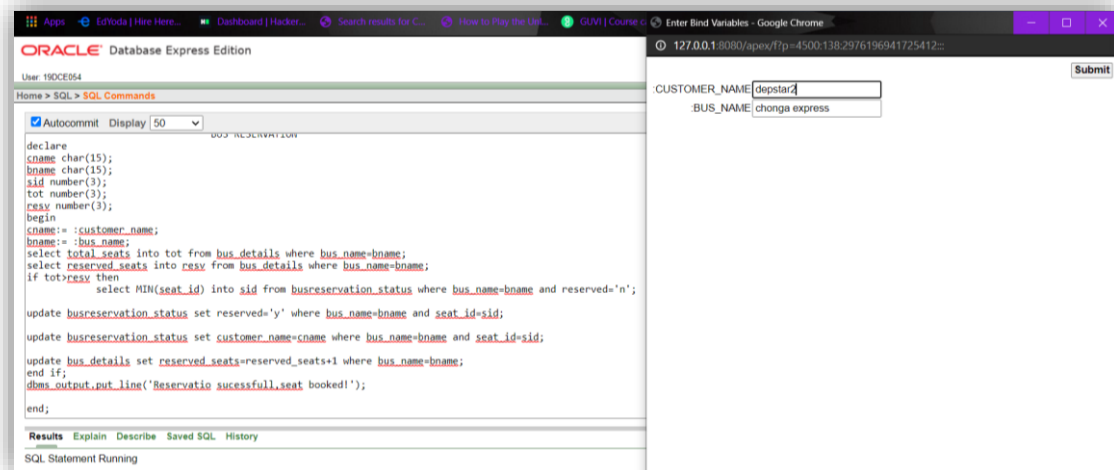
update bus_details set reserved_seats=reserved_seats+1 where bus_name=bname;
end if;
dbms_output.put_line('Reservatio sucessfull,seat booked!');

end;

```

OUTPUT (Seat reservstion):





***** BUS CANCELATION *****

```

declare
cname char(15);
bname char(15);
sid number(3);
resv number(3);
begin
cname:= :customer_name;
bname:= :bus_name;
select seat_id into sid from busreservation_status where bus_name=bname and
customer_name=cname;

```

```
select reserved_seats into resv from bus_details where bus_name=bname;
```

if resv>0 then

```
update busreservation_status set reserved='n' where bus_name=bname and
seat_id=sid;
```

```
update busreservation_status set customer_name=null where bus_name=bname
and seat_id=sid;
```

```
update bus_details set reserved_seats=reserved_seats-1 where
bus_name=bname;
```

end if;

```
dbms_output.put_line('Reservation canceled sucessfull!');
```

```
dbms_output.put_line('this seat is open for reservation!');
```

end;

OUTPUT (Seat Cancellation):

