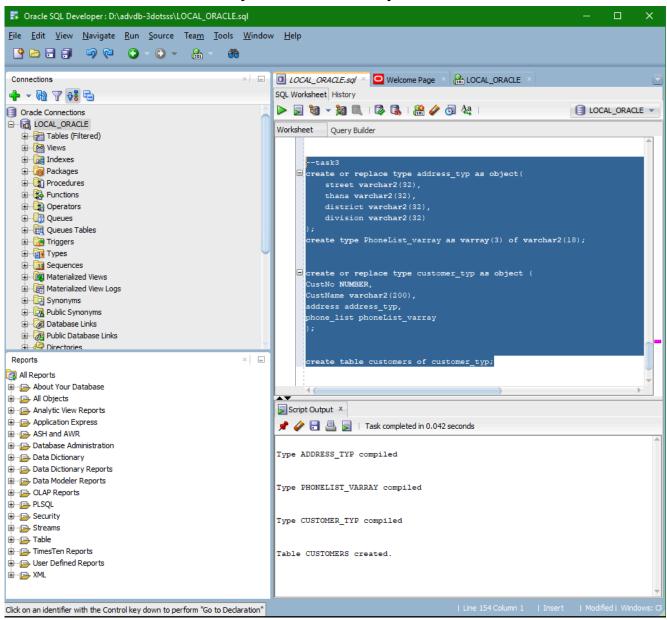
Name: Shaheer Shamsi shaheer-shamsi

3dotsss advdb Task 03

Creating composite objects

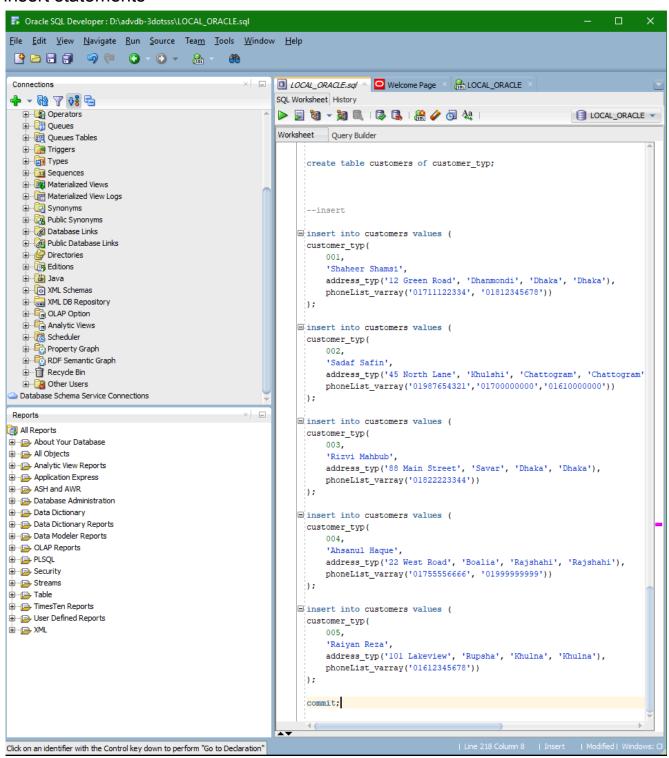
- a) Create the required objects to create the customer object table.
- b) Create the customer table and populate it with the data from the csv file. But you have to make the following modifications before inserting the data: The name of the first customer should be your own name. The name of the other 4 customers should be your friends.
- c) Write SQL statements to find all customers outside of Dhaka.

Successful creation of the objects customer object table.

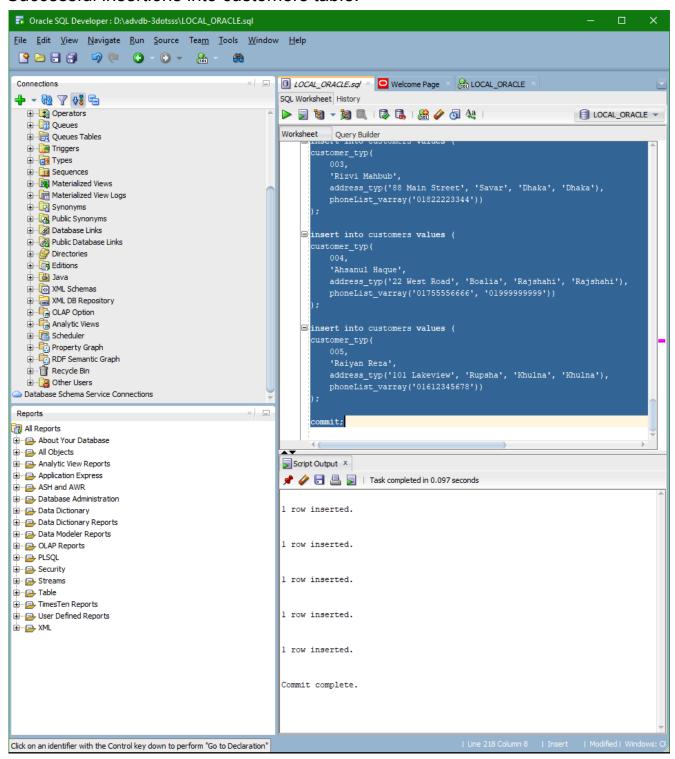


Successful insertions along with the insert statements:

insert statements

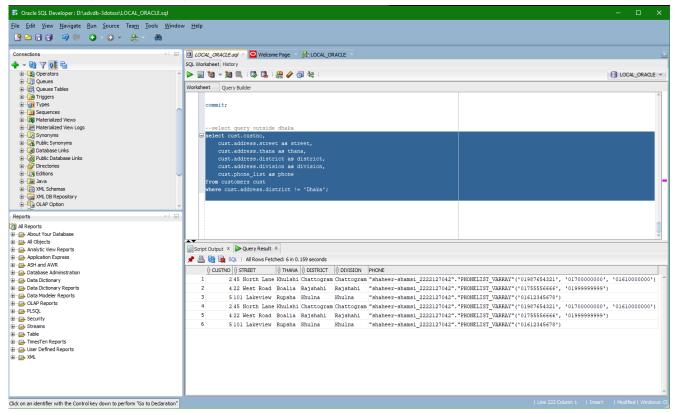


Successful insertions into customers table:



The select statement from c.

SQL Query and Query Result for customers outside of Dhaka



SQL Worksheet:

```
--task3
create or replace type address typ as object(
    street varchar2(32),
    thana varchar2(32),
    district varchar2(32),
    division varchar2(32)
);
create type PhoneList_varray as varray(3) of varchar2(18);
create or replace type customer typ as object (
CustNo NUMBER,
CustName varchar2(200),
address address_typ,
phone_list phoneList_varray
);
create table customers of customer_typ;
--insert
insert into customers values (
customer typ(
     001,
     'Shaheer Shamsi',
     address_typ('12 Green Road', 'Dhanmondi', 'Dhaka', 'Dhaka'),
     phoneList_varray('01711122334', '01812345678'))
);
insert into customers values (
customer_typ(
     002,
     'Sadaf Safin',
     address typ('45 North Lane', 'Khulshi', 'Chattogram',
'Chattogram'),
     phoneList varray('01987654321','01700000000','01610000000'))
);
```

```
insert into customers values (
customer_typ(
     003,
     'Rizvi Mahbub',
     address_typ('88 Main Street', 'Savar', 'Dhaka', 'Dhaka'),
     phoneList varray('01822223344'))
);
insert into customers values (
customer_typ(
     004,
     'Ahsanul Haque',
     address_typ('22 West Road', 'Boalia', 'Rajshahi', 'Rajshahi'),
     phoneList_varray('01755556666', '01999999999'))
);
insert into customers values (
customer_typ(
     005,
     'Raiyan Reza',
     address_typ('101 Lakeview', 'Rupsha', 'Khulna', 'Khulna'),
     phoneList varray('01612345678'))
);
commit;
--select query outside dhaka
select cust.custno,
     cust.address.street as street,
     cust.address.thana as thana,
     cust.address.district as district,
     cust.address.division as division,
     cust.phone_list as phone
from customers cust
where cust.address.district != 'Dhaka';
```