**Abstract Data Type SQL Query:**

-- Create ADT Object

create or replace type stdinfo\_address as object (

street varchar(50),

city varchar(50),

states varchar(2),

zip int

);

create or replace type stdinfo\_contact as object (

phone\_num varchar(10),

family\_num varchar(10)

);

-- Create table that contains the ADT Object Return Table

create table stdinfo (

fname varchar(20),

lname varchar(20),

stdAdd stdinfo\_address,

stdCon stdinfo\_contact

);

-- Insert Values into the Table with ADT Object

insert into stdinfo values(

'Onkar',

'Malawade',

stdinfo\_address('Talere','Kanakawali','MH',416801),

stdinfo\_contact('7020767185','9518951121')

);

insert into stdinfo values(

'Aditya',

'Shinde',

stdinfo\_address('Shirgoan','Devgad','MH',416810),

stdinfo\_contact('7020767186','4518951121')

);

insert into stdinfo values(

'Rahul',

'Khadekar',

stdinfo\_address('Sakharpa','Ratangiri','MH',415801),

stdinfo\_contact('7020767185','9518951121')

);

insert into stdinfo values(

'Vishal',

'Jogale',

stdinfo\_address('Sakharpa','Ratangiri','MH',415801),

stdinfo\_contact('7020547185','9515451121')

);

insert into stdinfo values(

'Aditya',

'Main',

stdinfo\_address('Sakharpa','Ratangiri','MH',415801),

stdinfo\_contact('7020767985','95187951121')

);

insert into stdinfo values(

'Saurabh',

'Shukla',

stdinfo\_address('Rankala','Kalhapur','MH',456781),

stdinfo\_contact('7078945185','9517541121')

);

-- Select Values from an ADT Object and Table

select s.fname,

s.lname,

s.stdAdd.city,

s.stdAdd.street,

s.stdAdd.zip,

s.stdAdd.states,

s.stdCon.phone\_num,

s.stdCon.family\_num

from stdinfo s;

**Output:**

