Snapshots

create table Customer_address(city varchar(15) primary key, state varchar(15) not null);

```
SQL> create table Customer_address(city varchar(15) primary key, state varchar(15)
 not null);

Table created.
```

create table Customer(Cust_id number primary key, first_name varchar(20) not null, last_name varchar(20), email_id varchar (30) not null, password varchar(30) not null , street varchar(15) not null,city varchar(15) references Customer_address(city) not null, phone_number_1 number(12) not null);

```
SQL> create table Customer( Cust_id number(10) primary key, first_name varchar(20)
 not null, last_name varchar(20), email_id varchar (30) unique not null, password
varchar(30) not null , street varchar(15) not null,city varchar(15) references Cus
tomer_address(city) not null);

Table created.
```

create table cust_add_phone(cust_id number references customer(cust_id)not null, phone_number number(12), constraint phone_cust_pk primary key(cust_id, phone_number));

```
SQL> create table cust_add_phone(cust_id number references customer(cust_id)not nu
ll, phone_number number(12), constraint phone_cust_pk primary key(cust_id, phone_n
umber));

Table created.
```

create table order_history (cust_id number references customer(cust_id)not null, order_time timestamp not null, order_date date not null, total_amount number not null, order_status varchar(20));

```
SQL> create table order_history (cust_id number references customer(cust_id)not nu
ll, order_time timestamp not null, order_date date not null, total_amount number n
ot null,  order_status varchar(20));

Table created.
```

create table employee (employee_id number(15) primary key, first_name varchar(15) not null, last_name varchar(15), description varchar(100), rating number(5), hire_date date default sysdate, dob date);

```
SQL> create table employee (employee_id number(15) primary key, first_name varchar
(15) not null, last_name varchar(15), description varchar(100), rating number(5),
hire_date date default sysdate, dob date);

Table created.
```

create table rating (cust_id number references customer (cust_id) not null, employee_id number references employee(employee_id) not null, rating number(5) not null, reviews varchar(200));

```
SQL> create table rating (cust_id number references customer (cust_id) not null, e
mployee_id number references employee(employee_id) not null, rating number(5) not
null, reviews varchar(200));

Table created.
```

Create Table Restaurant2(Street Varchar(15) Primary Key, City Varchar(15) NOT NULL, State Varchar(15) NOT NULL);

```
SQL> Create Table Restaurant2( Street Varchar(15) Primary Key, City Varchar(15)
 NOT NULL, State Varchar(15) NOT NULL);

Table created.
```

Create Table Restaurant1(Restaurant_id Number(15) Primary Key, Restraunt_name Varchar(20) NOT NULL, Rating Number(5), Street Varchar(15) References Restaurant2(Street));

```
SQL> Create Table Restaurant1( Restaurant_id Number(15) Primary Key, Restraunt_
name Varchar(20) NOT NULL, Rating Number(5), Street Varchar(15) References Rest
aurant2(Street));

Table created.
```

Create Table Order1(Order_id Number(15) primary key, Cust_id Number(15) References Customer(Cust_id), Restraunt_id Number(15)References Restaurant1(Restaurant_id), Employee_id Number(15) References Employee(Employee_id), Order_status Varchar(15), Order_date Date);

```
SQL> Create Table Order1(
  2  Order_id Number(15) primary key,
  3  Cust_id Number(15)  References Customer(Cust_id),
  4  Restraunt_id Number(15)References Restraunt1(Restraunt_id),
  5  Employee_id Number(15)  References Employee(Employee_id),
  6  Order_status Varchar(15),
  7  Order_date Date);

Table created.
```

Create Table Order_details(Order_id Number(15) References Order1(Order_id), Item_id Number(15) References Menu1(Item_id), Quantity Number NOT NULL, Unit_price Number(5) NOT NULL, Constraint order_pk Primary Key(Order_id,Item_id));

```
SQL> Create Table Order_details(
  2  Order_id Number(15)  References Order1(Order_id),
  3  Item_id Number(15)  References Menu1(Item_id),
  4  Quantity Number NOT NULL,
  5  Unit_price Number(5) NOT NULL,
  6  Constraint order_pk Primary Key(Order_id,Item_id));

Table created.
```

Create Table Menu2(Item_name Varchar(20) Primary Key, Price Number(5) NOT NULL);

```
SQL> Create Table Menu2(
  2  Item_name Varchar(20) Primary Key,
  3  Price Number(5) NOT NULL);

Table created.
```

Create Table Menu1(Item_id Number(15) Primary Key, Item_name Varchar(20) References Menu2(Item_name));

```
SQL> Create Table Menu1(
  2  Item_id Number(15) Primary Key,
  3  Item_name Varchar(20) References Menu2(Item_name));

Table created.
```

create table Payment(Reciept_no number(15) primary key,Cust_id number(15) references customer(cust_id),Order_id number(15) references order1(order_id),Pay_amount number(15) not null,Pay_Date date default sysdate);

```
SQL> create table Payment(Reciept_no number(15) primary key,Cust_id number(15) ref
erences customer(cust_id),Order_id number(15) references order1(order_id),Pay_amou
nt number(15) not null,Pay_Date date default sysdate);

Table created.
```

create table DebitCard(Receipt_no number(15) primary key,Card_no number(15) unique,CVV number(3) not null,Expiry_Date date not null);

```
SQL> create table DebitCard(Receipt_no number(15) primary key,Card_no number(15) u
nique,CVV number(3) not null,Expiry_Date date not null);

Table created.
```

create table CreditCard(Receipt_no number(15) primary key,Card_no number(15) unique,CVV number(3) not null,Expiry_Date date not null);

```
SQL> create table CreditCard(Receipt_no number(15) primary key,Card_no number(15)
unique,CVV number(3) not null,Expiry_Date date not null);

Table created.
```

create table NetBanking(Receipt_no number(15) primary key,Bank varchar(30) not null,Username varchar(30) unique,Password varchar(30) not null);

```
SQL> create table NetBanking(Receipt_no number(15) primary key,Bank varchar(30) no
t null,Username varchar(30) unique,Password varchar(30) not null);

Table created.
```

insert into customer_address values('Patiala', 'Punjab');

```
SQL> insert into customer_address values('Patiala', 'Punjab');

1 row created.
```

insert into customer values(1,'abc','def','abc@gmail.com','abc','22 Baker Street','Patiala',7508118810);

```
SQL> insert into customer values(1,'abc','def','abc@gmail.com','abc','22 Baker Street','Patiala',7508118810);

1 row created.
```

insert into restaurant2 values('Bhupindra Road', 'Patiala', 'Punjab');
insert into restaurant2 values('Sirhind Road', 'Patiala', 'Punjab');
insert into restaurant2 values('Leela Bhawan', 'Patiala', 'Punjab');

```
SQL> insert into restaurant2 values('Bhupindra Road', 'Patiala', 'Punjab');

1 row created.

SQL> insert into restaurant2 values('Sirhind Road', 'Patiala', 'Punjab');

1 row created.

SQL> insert into restaurant2 values('Leela Bhawan', 'Patiala', 'Punjab');

1 row created.
```

insert into restaurant1 values(1,'Chawlas',4.5,'Bhupindra Road');
insert into restaurant1 values(2,'Cafe Yorker',4.2,'Bhupindra Road');
insert into restaurant1 values(3,'Bhupindra Plaza',3.9,'Sirhind Road');
insert into restaurant1 values(4,'Kokos Kitchen',4.1,'Leela Bhawan');
insert into restaurant1 values(5,'HC Burger',3.7,'Leela Bhawan');

```
SQL> insert into restaurant1 values(1,'Chawlas',4.5,'Bhupindra Road');

1 row created.

SQL> insert into restaurant1 values(2,'Cafe Yorker',4.2,'Bhupindra Road');

1 row created.

SQL> insert into restaurant1 values(3,'Bhupindra Plaza',3.9,'Sirhind Road');

1 row created.

SQL> insert into restaurant1 values(4,'Kokos Kitchen',4.1,'Leela Bhawan');

1 row created.

SQL> insert into restaurant1 values(5,'HC Burger',3.7,'Leela Bhawan');

1 row created.
```

insert into menu2 values('Burger Combo',180);
insert into menu2 values('Paneer Crispy Rollo',129);
insert into menu2 values('Chicken Cheese Rollo',139);
insert into menu2 values('Honey Chilli Potato',129);
insert into menu2 values('Veggie Corn Salad',149);
insert into menu2 values('Chicken Salad',169);
insert into menu2 values('Chilli Paneer',179);

insert into menu2 values('Mexican Rice Burrito',99);

```
SQL> insert into menu2 values('Burger Combo',180);

1 row created.

SQL> insert into menu2 values('Paneer Crispy Rollo',129);

1 row created.

SQL> insert into menu2 values('Chicken Cheese Rollo',139);

1 row created.

SQL> insert into menu2 values('Honey Chilli Potato',129);

1 row created.

SQL> insert into menu2 values('Veggie Corn Salad',149);

1 row created.

SQL> insert into menu2 values('Chicken Salad',169);

1 row created.

SQL> insert into menu2 values('Chilli Paneer',179);

1 row created.

SQL> insert into menu2 values('Mexican Rice Burrito',99);

1 row created.
```

insert into menu1 values(1,'Burger Combo');
insert into menu1 values(2,'Paneer Crispy Rollo');
insert into menu1 values(3,'Chicken Cheese Rollo');
insert into menu1 values(4,'Honey Chilli Potato');
insert into menu1 values(5,'Veggie Corn Salad');
insert into menu1 values(6,'Chicken Salad');
insert into menu1 values(7,'Chilli Paneer');
insert into menu1 values(8,'Mexican Rice Burrito');

```
SQL> insert into menu1 values(3,'Chicken Cheese Rollo');

1 row created.

SQL> insert into menu1 values(4,'Honey Chilli Potato');

1 row created.

SQL> insert into menu1 values(5,'Veggie Corn Salad');

1 row created.

SQL> insert into menu1 values(6,'Chicken Salad');

1 row created.

SQL> insert into menu1 values(7,'Chilli Paneer');

1 row created.

SQL> insert into menu1 values(8,'Mexican Rice Burrito');

1 row created.

SQL> insert into menu1 values(2,'Paneer Crispy Rollo');

1 row created.
```

insert into employee values(1,'Rakesh','Singh',NULL,4.2,'25-APR-2019','29-MAY-1990');
insert into employee values(2,'Rahul',NULL,NULL,4.1,'05-MAR-2018','09-OCT-1991');
insert into employee values(3,'Sneha','Sharma',NULL,4.7,'17-JUN-2018','15-DEC-1990');
insert into employee values(4,'Ankur',NULL,NULL,3.8,'15-JAN-2017','27-APR-1992');
insert into employee values(5,'Rhea','Gerewal',NULL,4.2,'02-APR-2019','14-JAN-1993');

```
SQL> insert into employee values(1,'Rakesh','Singh',NULL,4.2,'25-APR-2019','29-MAY-1990');

1 row created.

SQL> insert into employee values(2,'Rahul',NULL,NULL,4.1,'05-MAR-2018','09-OCT-1991');

1 row created.

SQL> insert into employee values(3,'Sneha','Sharma',NULL,4.7,'17-JUN-2018','15-DEC-1990');

1 row created.

SQL> insert into employee values(4,'Ankur',NULL,NULL,3.8,'15-JAN-2017','27-APR-1992');

1 row created.

SQL> insert into employee values(5,'Rhea','Gerewal',NULL,4.2,'02-APR-2019','14-JAN-1993');

1 row created.
```

insert into order1 values(1,1,1,1,'Delivered','05-MAY-2019');
insert into order1 values(2,1,2,3,'Delivered','06-MAY-2019');

```
SQL> insert into order1 values(1,1,1,1,'Delivered','05-MAY-2019');

1 row created.

SQL> insert into order1 values(2,1,2,3,'Delivered','06-MAY-2019');

1 row created.
```

insert into order_details values(1,2,1,129);
insert into order_details values(2,4,1,129);

```
SQL> insert into order_details values(1,2,1,129);

1 row created.

SQL> insert into order_details values(2,4,1,129);

1 row created.
```

Insert into rating values(1,2,4.2,NULL);
Insert into rating values(1,3,4.5,NULL);

```
SQL> Insert into rating values(1,2,4.2,NULL);

1 row created.

SQL> Insert into rating values(1,3,4.5,NULL);

1 row created.
```

PL/SQL Code

```
create sequence cid
        start with 1
        increment by 1
        maxvalue 999
        nocycle
        nocache;
```

```
SQL> create sequence cid
  2  start with 1
  3  increment by 1
  4  maxvalue 999
  5  nocycle
  6  nocache;

Sequence created.
```

```
create or replace procedure create_account (first_name in varchar, last_name in varchar,
email_id in varchar, password in varchar, street in varchar, city in varchar, phone_number1 in
number)
is
begin
insert into customer values(cid.nextval, first_name, last_name, email_id, password, street,
city,phone_number1);
        dbms_output.put_line('Your account has been created successfully.');
        commit;
end;
/
```

```
SQL> create or replace procedure create_account
  2  (first_name in varchar, last_name in varchar, email_id in varchar, password i
n varchar, street in varchar, city in varchar, phone_number1 in number)
  3  is
  4  begin
  5  insert into customer values(cid.nextval, first_name, last_name, email_id, pas
sword, street, city,phone_number1);
  6  dbms_output.put_line('Your account has been created successfully.');
  7  commit;
  8  end;
  9  /

Procedure created.
```

```
create or replace procedure cust_address (city in varchar, state in varchar)
```

is
begin
insert into customer_address values(city, state);
commit;
end;
/

```
SQL> create or replace procedure cust_address (city in varchar, state in varchar)
  2  is
  3  begin
  4  insert into customer_address values(city, state);
  5  commit;
  6  end;
  7  /

Procedure created.
```

create or replace procedure rating1(cust_id in number, employee_id in number, rating in number, reviews in varchar)
is
begin
insert into rating values(cust_id, employee_id, rating, reviews);
commit;
end;
/

```
SQL> create or replace procedure rating1(cust_id in number, employee_id
in number, rating in number, reviews in varchar)
  2  is
  3  begin
  4  insert into rating values(cust_id, employee_id, rating, reviews);
  5  commit;
  6  end;
  7  /

Procedure created.
```

create or replace procedure updateCust(cid in number,email in varchar, pwd in varchar)
 is
 begin
 update customer set email_id=email,password=pwd where cust_id=cid;
 end;
 /

```
SQL> create or replace procedure updateCust(cid in number,email in varchar, pwd in varchar)
  2  is
  3  begin
  4  update customer set email_id=email,password=pwd where cust_id=cid;
  5  end;
  6  /

Procedure created.
```

```
create or replace procedure cust_details(cid in number)
is
cursor c is select * from customer where cust_id=cid;
begin
for rec in c loop
dbms_output.put_line('Customer_id: '||rec.cust_id);
dbms_output.put_line('Customer_name: '||rec.first_name|| rec.last_name);
dbms_output.put_line('Address: '||rec.street||' '|| rec.city);
dbms_output.put_line('Email: '||rec.email_id);
end loop;
end;
/
```

```
SQL> create or replace procedure cust_details(cid in number)
  2  is
  3  cursor c is select * from customer where cust_id=cid;
  4  begin
  5  for rec in c loop
  6  dbms_output.put_line('Customer_id: '||rec.cust_id);
  7  dbms_output.put_line('Customer_name: '||rec.first_name|| rec.last_name);
  8  dbms_output.put_line('Address: '||rec.street||' '|| rec.city);
  9  dbms_output.put_line('Email: '||rec.email_id);
 10  end loop;
 11  end;
 12  /

Procedure created.
```

```
create or replace procedure view_order(cid in number, oid in number)
is
cursor c is select cust_id,first_name from customer where cust_id=cid;
cursor p is select restraunt_name from restaurant1 where restaurant_id=(select restraunt_id from
order1 where cust_id = cid and order_id=oid);
cursor i is select item_name from menu1 where item_id=(select item_id from order1 where
cust_id = cid and order_id=oid);
begin
```

```
for rec in c loop
dbms_output.put_line('Customer_id: '||rec.cust_id);
dbms_output.put_line('Customer_name: '||rec.first_name);
end loop;
for rec2 in p loop
dbms_output.put_line('Restaurnt_name: '||rec2.restraunt_name);
end loop;
for rec3 in i loop
dbms_output.put_line('Item_name: '||rec3.item_name);
end loop;
end;
/
```

```
SQL> create or replace procedure view_order(cid in number, oid in number)
  2  is
  3  cursor c is select cust_id,first_name from customer where cust_id=cid;
  4  cursor p is select restraunt_name from restaurant1 where restaurant_id=(select restraunt_id from order1 where
cust_id = cid and order_id=oid);
  5  cursor i is select item_name from menu1 where item_id=(select item_id from order1 where cust_id = cid and orde
r_id=oid);
  6  begin
  7  for rec in c loop
  8  dbms_output.put_line('Customer_id: '||rec.cust_id);
  9  dbms_output.put_line('Customer_name: '||rec.first_name);
 10  end loop;
 11  for rec2 in p loop
 12  dbms_output.put_line('Restaurnt_name: '||rec2.restraunt_name);
 13  end loop;
 14  for rec3 in i loop
 15  dbms_output.put_line('Item_name: '||rec3.item_name);
 16  end loop;
 17  end;
 18  /

Procedure created.
```

```
create or replace function calcPrice(i_price in number, qty in number) return number
is
tot number;
begin
tot:=i_price*qty;
return(tot);
end;
/
```

```
SQL> create or replace function calcPrice(i_price in number, qty in number) return number
  2  is
  3  tot number;
  4  begin
  5  tot:=i_price*qty;
  6  return(tot);
  7  end;
  8  /

Function created.
```

```
create or replace procedure delete_it(order_id in number)
is
ord number;
begin
dbms_output.put_line('Please enter the order_id that you want to delete');
ord:=&order_id;
delete from order_details where order_id=ord;
end;
```

```
SQL> create or replace procedure delete_it(order_id in number)
  2  is
  3  ord number;
  4  begin
  5  dbms_output.put_line('Please enter the order_id that you want to delete');
  6  ord:=&order_id;
  7  delete from order_details where order_id=ord;
  8  end;
  9  /
Enter value for order_id: 5
old   6: ord:=&order_id;
new   6: ord:=5;

Procedure created.
```