create table Warehouses(  
 code integer primary key not null ,  
 location varchar(255) not null ,  
 capacity integer not null  
  
);  
drop table Boxes;  
drop table Warehouses;  
create table Boxes(  
 code character(4) primary key,  
 contents varchar(255) not null ,  
 value real,  
 warehouse integer not null ,  
 foreign key (warehouse) references Warehouses(code)  
);  
  
  
INSERT INTO Warehouses(code, location, capacity) VALUES(1, 'Chicago', 3);  
INSERT INTO Warehouses(code, location, capacity) VALUES(2, 'Rocks', 4);  
INSERT INTO Warehouses(code, location, capacity) VALUES(3, 'New York', 7);  
INSERT INTO Warehouses(code, location, capacity) VALUES(4, 'Los Angeles', 2);  
INSERT INTO Warehouses(code, location, capacity) VALUES(5, 'San Francisko', 8);  
  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('0MN7', 'Rocks', 180, 3);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('4H8P', 'Rocks', 250, 1);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('4RT3', 'Scissors', 190, 4);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('7G3H', 'Rocks', 200, 1);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('8JN6', 'Papers', 75, 1);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('8Y6U', 'Papers', 50, 3);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('9J6F', 'Papers', 175, 2);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('LL08', 'Rocks', 140, 4);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('P0H6', 'Scissors', 125, 1);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('P2T6', 'Scissors', 150, 2);  
INSERT INTO Boxes(code, contents, value, warehouse) VALUES ('TUSS', 'Papers', 90, 5);  
  
-- Select all warehouses with all columns.  
select \* from warehouses;  
-- Select all boxes with a value larger than $150.  
select \* from boxes where value > 150;  
-- Select all the boxes distinct by contents.  
select distinct on (contents) \* from boxes;  
-- Select the warehouse code and the number of the boxes in each warehouse.  
select warehouse, *count*(value) from boxes group by (warehouse, value);  
-- Same as previous exercise, but select only those warehouses where the number of the boxes is greater than 2  
select warehouse, *count*(value) from boxes group by (warehouse) having warehouse > 2;  
-- Create a new warehouse in New York with a capacity for 3 boxes.  
  
insert into warehouses(code, location, capacity) values (6, 'New York', 3);  
-- Create a new box, with code "H5RT", containing "Papers" with a value of $200, and located in warehouse 2.  
insert into boxes(code, contents, value, warehouse) values ('H5RT', 'Papers', 200, 2);  
  
-- Reduce the value of the third largest box by 15%.  
update boxes  
set value = 0.85\* value  
where value = (select distinct (value) from boxes order by value desc LIMIT 1 offset 2);  
select \* from boxes;  
-- Remove all boxes with a value lower than $150.  
delete from Boxes where value < 150;  
-- Remove all boxes which is located in New York. Statement should return all deleted data.  
delete from boxes where warehouse in (select code from warehouses where location = 'New York') returning \* ;