

# Database Management System

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## Unit 3 - Assignment

### A)

1. Select all boxes with a value larger than \$150

Answer:

```
Select * from Boxes where value > 150
```

1. Select only those warehouses where the average value of the boxes is greater than 150

Answer:

```
Select Warehouse, Avg(value) from Boxes Group By warehouse having avg(value) > 150
```

1. Select the codes of all the boxes. located in Chicago. Use Right Join

Answer:

```
Boxes.code from warehouses right join boxes on warehouses.code = boxes.warehouse where location = 'Chicago'
```

### B) Consider the following schema

Highschooler(ID int, name text, grade int);

Friend(ID1 int, ID2 int);

Likes(ID1 int, ID2 int)

Write a trigger that automatically deletes students when they graduate, i.e., when their grade is updated to exceed 12

Answer:

```
new.grade > 12

begin
    DELETE from Highschooler
    WHERE ID = New.ID
end
```