Laboratory work #4

Please write SQL queries for following tasks and save as .sql file.

1. Create database called «lab4»
2. Create following tables «Warehouses» and «Boxes»:

code integer	location character varying (255)	capacity integer
1	Chicago	3
2	Chicago	4
3	New York	7
4	Los Angeles	2
5	San Francisco	8

code character (4)	contents character varying (255)	value real	warehouse integer
0MN7	Rocks	180	3
4H8P	Rocks	250	1
4RT3	Scissors	190	4
7G3H	Rocks	200	1
8JN6	Papers	75	1
8Y6U	Papers	50	3
9J6F	Papers	175	2
LL08	Rocks	140	4
P0H6	Scissors	125	1
P2T6	Scissors	150	2
TU55	Papers	90	5

3. Download lab4.sql file from intranet. Copy content of the file and run using Query Tool
4. Select all warehouses with all columns.
5. Select all boxes with a value between 50$ and $150.
6. Select only one box from each manufacturer.
7. Select the warehouse code and the number of the boxes in each type of contents.
8. Same as previous exercise, but select only those warehouses where the contents equals 'Papers'.
9. Create a new warehouse in New York with a capacity for 3 boxes.

10. Create a new box, with code "H5RT", containing "Papers" with a value of $200, and located in warehouse 2.
11. Reduce the value of the third smallest box by 20%.
12. Remove all boxes with a value lower than $150.
13. Remove all boxes which is located in New York. Statement should return box code and manufacturer code.