



Real estate trading company

The purpose of this question is to design the system of a real estate trading company.

In this company, two types of housing are traded and sold, each of which has the following characteristics:

- Villa housing: construction area - yard area - basic price (per square meter) - number of floors - address
- Apartment housing: construction area - basic price (per square meter) - floor number - does it have an elevator or not? - Address

The total price for each housing is calculated as follows:

- Villa housing: $\text{base price} * \text{construction area} + \text{base price} * \text{yard area} * 0.3$
- Apartment housing: $\text{base price} * \text{construction area}$

Address also includes city, street, street and zip code.

This company is responsible for selling these properties. Each sales file includes the following specifications: type of housing (villa or apartment) - housing itself - amount of commission - terms of sale (cash or bank check)



▼ Questions

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Buggy linked list

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Real estate trading company

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Challenge: Linked list with inconsistent data

All submissions

Final submissions

Scoreboard

The manager of this company must be able to:

١. Register a new apartment, villa or sales file.
٢. View information about apartments, villas and sales files.
٣. able to see all housing in order of total price. (It doesn't matter if it's a villa or an apartment - please don't sort by type.)
٤. It should be able to perform two types of searches among houses: houses that have a base price less than x and a construction area greater than y - houses that are located within z street.

It is necessary to mention a few points:

١. Design functions, main and structures according to your taste.
٢. Since the maximum number of housings is not known, use Linked List to manage housings.
٣. Optimization is very important in this question.

POST AN ANSWER TO THIS QUESTION

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