



!Let's work binary

We intend to design a program that can store and read our customers' information stored in the following structure in a binary file.

```
struct customer {  
    int id;  
    char name[150];  
    unsigned long int balance;  
};
```

For this program, design the following two main functions (if you feel necessary, you can also define other functions, but the definition of the following two functions is mandatory):

1. The function (writeToFile(array, size) receives an array of the above structures and its size and stores all of them in a binary file called customers.dat.
2. readFromFile() function that reads all the customers stored in the customer.dat binary file and returns them. If the file does not exist, return NULL value.

Note : As you can see, the function of reading from the file does not know the number of customers. In such a case, you can read from the file section by section until you reach EOF and use a tool such



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Pointer count

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Rational numbers

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as Linked List to save the read data, or save the number of customers somewhere inside the file itself (for example, at the beginning of the file) and Before reading the structs themselves, get the

memory you need by reading their number using functions such as malloc. To simplify your work, assume that there is no need to free this memory.

More important point: In order to get the full score of the question, be sure to use the binary file!

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