

Question #3:

Fakirhane (40 points)

Please read [important information](#) first.

Fakirhane is the new canteen of Xandar University. They have different meal options like breakfast, lunch, and dinner. The price of the meal depends on the type of meal. The price table is given below.

You are expected to make a kiosk app for Xandar University so that students can deposit money on their cards and use it to make a reservation at the canteen.

Type of Meal	Price
Breakfast	3.5
Lunch	4
Dinner	4.5

Inputs

You are given two lists filled with student names and their account information (balance, consecutively). You are expected to execute the required operation given by the user, which can be deposit, reserve, or exit. After you take the operation, you need to take the student's name, type of meal, and the amount of money that is deposited in this order.

Operation	Possible Execution	Error Message
deposit	Money is added to the account	
reserve	Money is taken from the account	
reserve	Print error message	You don't have enough money in your card
exit	Finish the program	

Outputs

You are expected to execute the necessary operation on their accounts and print "old account balance => new account balance", or error message.

Constraints

$1 \leq \text{Number of Students} \leq 100$

$0 \leq \text{Account Balance}$

Students' account balances can only go down to 0.

You should check the validity of inputs coming from the user.

If the user enters invalid input, you should keep asking for a correct input until you get one.

After an operation ends, you should keep asking for a new operation, until the user enters "exit" as an operation.

All input strings will be entered in lowercase except names.

You should only wait for the meal type input if the user selected 'reserve' as operation.

You should only wait for the amount of money input if the user selected 'deposit' as operation.

Hint

The `index()` method returns the index of the specified element in the list.

'in' is used to test if a sequence (list, tuple, string, etc.) contains a value. It returns True if the value is present, else it returns False.

Examples

Input	Output
deposit Piers Chaney 50 reserve Flora Glenn lunch Keiron Skinner reserve Keiron Skinner dinner exit	26.35 => 76.35 39.82 => 35.82 You don't have enough money in your card