**Backend Developer Questions**

Please answer two questions listed below. We want you to present your answers preferably with clean Javascript, but any other language is welcome. Presented code should be well documented and testable.

Q1. Write a function that takes a list of money transfer transactions performed among a group of banks and returns the result that indicates which bank owes how much to other banks. Please check the expected output section below.

Notes:

If the balance between two banks is zero, it should not be included in the result. The amounts in the output needs to be positive.

Please notice that a bank can send money to another bank in multiple lines of transactions.

A receiver bank can be a sender bank in another transaction record.

Sample input:

[

{

"sender": "BankA",

"receiver": "BankB",

"amount": "100"

},

{

"sender": "BankB",

"receiver": "BankC",

"amount": "20"

},

{

"sender": "BankB",

"receiver": "BankC",

"amount": "120"

},

{

"sender": "BankA",

"receiver": "BankB",

"amount": "150"

},

{

"sender": "BankC",

"receiver": "BankB",

"amount": "200"

},

{

"sender": "BankC",

"receiver": "BankA",

"amount": "100"

}

]

Expected output:

BankB owes BankA 250

BankB owes BankC 60

BankA owes BankC 100

Q2. Write a function that reverses an array of integers in place. **Don't allocate** extra space for another array.

**Don't use** any language specific library like reverse() method.

Sample input

[1,4,6,9]

Expected output:

[9,6,4,1]