Challenge 3: Account Number of Customers with Balance < $500

Test your understanding by solving a slightly tricky challenge.

We'll cover the following ∧

- Problem statement
  - Structure Account
  - Function check_account
  - Sample input
  - Sample output
- Coding exercise

Problem statement#

In this challenge, you will be given the names, account numbers, and balances of a customers. Your task is to return the account numbers of customers with a balance of less than $500.

Structure `Account`#

To store information about account holders, we have already defined the structure `Account` for you.

```
struct Account {

    string  name ; ───────► Stores the name of account holder
    int  number ; ───────► Stores the account number of account holder
    double balance ; ───────► Stores the balance of account holder
};
```

Function `check_account`

In this challenge, we have already declared the function `check_account` of type `void` that takes an array of type `Account` and `int`, respectively, in its input parameters. The function also takes the `size` of the array in its input parameters.

```
void check_account ( struct Account p1[ ] , int arr [ ] , int size )
```

Initially, `arr` is initialized to **0**. Your task is to find the account number with a balance of less than `$500` and fill the corresponding element in `arr` with a person's account number. If the balance is greater than or equal to **$500**, then fill the corresponding element with **-1**.

You have to write your program logic inside the function `check_account`.

(/learn)

Sample input#

```
check_account( {{John ,578328,890.000000 },{Alex ,908210,430.20000
0 },{Kim ,165216,98.500000 }} , {0,0,0} )
```

Sample output#

```
{-1,908210,165216}
```

Coding exercise#

Before diving directly into the solution, try to solve it yourself. Then check if your code passes all the test cases.

Good luck! 👍

```
1  // Structure to store Account information
2  struct Account {
3    string name;
4    int number;
5    double balance;
6  };
7
8  // Function to find account numbers with less than 500 balance
9  void check_account(struct Account p[], int arr[], int size) {
10   // Write your code here
11 }
```

🎉Well done! If you have solved the problem, give yourself a round of applause.

In case you got stuck, go over the solution review in the next lesson.

← Back

Next →