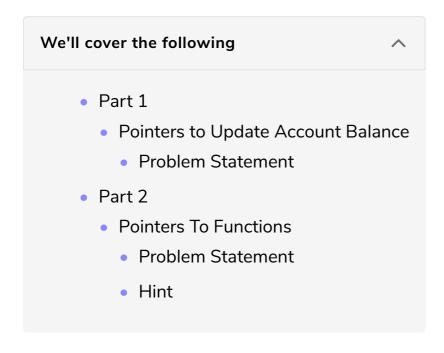
## **Exercise 6: Account Balance**

In this exercise, you will be required to use pointers and pointer to functions to update the balance in an account



# Part 1#

## Pointers to Update Account Balance #

Problem Statement #

In this part you are required to:

- Make functions
  - Withdraw:
    - Is a void function.
    - Takes two parameters:
      - a pointer to the balance in account.
      - the *amount* to be *withdrawn* from account, also of *type* double.
    - Add a check so that the amount is only withdrawn if it is less then total balance in the account. Otherwise it should display: "You are broke. You don't have enough money. Go away"
  - Deposit:
    - Takes **two** *parameters*:
      - a *pointer* to the *balance* in *account*.
      - the amount to be deposited in the account, also of type double.

■ The function should **add** the required *amount* into the account.

**Write your code below**. It is recommended that you try solving the exercise yourself before viewing the solution.

#### **Good Luck!**

```
void withdraw(double* balance, double amount) {
    void deposit(double* balance, double amount) {
    }
}
```

## Part 2

### Pointers To Functions #

Problem Statement #

Now let's implement the above example but by using **Pointers to Functions**.

In this part you are required to:

- Declare a **pointer** to functions
  - Withdraw:
  - Deposit:

**Note:** The code for both Withdraw and Deposit functions have already been prepended (not visible to you) in the code widget below hence you don't need to rewrite them as you've done that above already.

• *Call* both these *functions* in the main according to the *instructions* given in the code widget below.

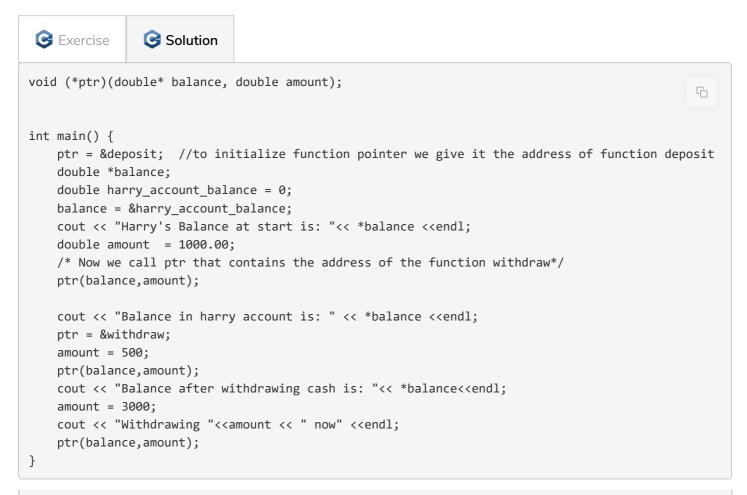
#### Hint #

• *Declare* and *use* a **pointer** named **balance** in your code below to update and keep track of the **total** *balance* in the *account*.

Write your code below. It is recommended that you try solving the exercise

yourself before viewing the solution.

#### **Good Luck!**









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