

Challenge 2: Swap Values

Let's try to swap the values of two pointers.


WE'LL COVER THE FOLLOWING ^

- Problem Statement
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Problem Statement

You must implement the `swapVals` function which takes in two pointers and swaps the values they point to. The pointers should be of the `integer` type.

```
*p = 10
*q = 20
swap(p, q)
*p == 20
*q == 10
```

 Exercise

 Solution

```
#include <iostream>
using namespace std;

void swapVals(/* Write your argument(s) here*/){
    // Write your code here
}
```



Solution Review

There's nothing too tricky going on here. We pass two integer pointers as arguments to the function. A `temp` variable is used to store an integer during the swap.

As a bonus objective, try making the `temp` variable a pointer instead of an integer.

Notice that we always use the dereferencing operator (`*`) since we want to change the values that the pointers point to, not the addresses that the pointers hold. Run the code without any dereferencing and see why it doesn't work.