

Post-Functions Warmup

1. What is wrong with the following code?

```
#include <stdio.h>

int main(void)
{
    int a = 5, b = 10, c = 12;

    if (a >= b || c)
    {
        printf("A is biggest.\n");
    }
    else
    {
        printf("A is not the biggest.\n");
    }
}
```

2. What is printed out in the following program?

```
#include <stdio.h>
#include <cs50.h>
#include <string.h>

int main(void)
{
    string s = "Hello CS Students!";

    for (int i = 0; i < 5; i++)
        printf("%c\n", s[i]);

    for (int i = 0; i < strlen(s); i++)
        printf("%c", s[i]);
    printf("\n");

    printf("The 18th char is %c\n", s[17]);
    printf("The 25th char is %c\n", s[25]);
}
```

3. If you have yet solved this problem, do so now in your group:

Write a function that takes a long integer and reverses it, so 12345 should return 54321.

If you have solved that problem, please complete this followup problem:

Open the code where you reversed the integer. Now create another function in the same file called `isPalindrome` that takes a single long int as input and tests whether it is a palindrome or not. The `isPalindrome` function should call the function that reverses the integer. The reverse function should reverse the long number and return to `isPalindrom`. `IsPalindrim` should return True or False. The program flow should work like this:

```
main (gets the nubmer) > isPalindrome > reverseNumber > isPalindrome > main
```