

## WEEK 12

1. Below is a C function that swaps two integers. Include it in your code as a function. In your main method, ask the user to enter two integers and call your swap function. Then, display these two integers. You will see that both variables stays same. Rewrite the same function with pointers and perform same operations to see the change.

```
void swap(int a, int b)
{
    int temp = a;
    a = b;
    b = temp;
}
```

2. Below is a C function signature to reverse an integer array. However, we want you to use a pointer instead of an array in the function. Implement the function and show in your main function that the array is reversed.

```
void reverseArray(int *, int);
```

3. Below is a C function signature to concatenate two strings. Notice that parameters are pointers and the second parameter is const meaning that we guarantee it will not be updated/manipulated in the function. The concatenated string will be stored in the first parameter. The function acts similar to the concat function in string.h. Please check it as well.

```
void concatenateStrings(char *dest, const char *src);
```