Assignment #1 Description

# Introduction:

In this assignment our main task was to implement following:

1. Copied Pointers
2. Owned Pointers
3. COW with Reference Counting
4. COW with Reference Linking

# Approach:

I implemented the Copied Pointers and Copied Pointer with RefCounting. For these implementations, there is a constructor which copies the current pointer to another pointer and for reference counting it increments the reference count by 1 each time a copy is made.

For reference counting approach, the destructor doesn’t delete the pointer unless all the references are killed.

# How to run:

There are two separate files for the approaches:  
1- String\_CP.cpp ( Copied Pointers)

2- String\_COW\_RC.cpp ( Copied pointers with reference count)

Individually run them to see the output.

# Github Link:

www.github.com/ahad1234/AP\_Assign1.git