Submitted by: Amna Abdul Rehman(35153)

BSCS 4C

GitHub link: <https://github.com/amna5297/Assignment-2.git>

Assignment 2

SMART POINTERS:

* Copied Pointers :

a

“Hello”

c

b

Pointer a,b & c point to same object “hello” . The ref count is 3.

* Owned Pointers:

a

“Hello”

b

* COW with Reference Counting

“Hello”

a

“Helloa”

c

b

After C appends a, it points to the new object.

* COW with Reference Linking

b

“Hello”

c

a

**Dependency Graph:**  
