**CSE 330 Lab Report # 3**

1. I’ve completed 100% of the lab.
2. Complexity Analysis

|  |  |  |
| --- | --- | --- |
| **Function Name** | **Time Complexity** | **Storage Complexity** |
| Main() | O(1) | O(1) |
| String() | O(1) | O(1) |
| String(const char \* ) | O(1) | O(1) |
| String(const String &) | O(1) | O(1) |
| ~String() | O(1) | O(1) |
| Length() | O(1) | O(1) |
| Operator=(char \*) | O(1) | O(1) |
| Operator=(String &) | O(1) | O(1) |
| Operator==(char \*) | O(1) | O(1) |
| Operator==(String &) | O(1) | O(1) |
| Operator+=(char \*) | O(1) | O(1) |
| Operator+=(String &) | O(1) | O(1) |
| Operator[] | O(1) | O(1) |

3. See attached for source code