## **GTU CSE 241 / 501 Quiz**

Std Code: 312

 Std Number:
 2 | 1 | 0 | 1 | 0 | 4 | 0 | 0 | 4 | 0 | 3 | 9 | |

```
MyStr::MyStr(): capacity(20) {
                                          //20 default size
        str = new char[capacity];
}
MyStr::MyStr(char *s) {
        int len = -1;
        while (s[++len] != '\0');
        capacity = len;
        str = new char[capacity];
        for (int i = 0; i < len; ++i)
                 str[i] = s[i];
        str[len] = '\0';
MyStr::MyStr(const MyStr& rhs){
        capacity = rhs.capacity;
        str = new char[capacity];
        int i = 0;
        int len = rhs.length();
        for (i = 0; i < len; ++i)
                 str[i] = rhs.str[i];
        str[i] = '\0';
}
int MyStr::length() {
        int i = -1;
        while (str[++i] != '\0');
        return (i);
}
MyStr& MyStr::operator=(const MyStr& rhs){
        if (&rhs == this) return *this;
        delete[] str;
        str = new char[rhs.length];
        strcpy(str, rhs.str);
        return *this;
}
```