

(CSCI 261 VA) Project Nine

Purpose:

The purpose of this project is to help the students to reinforce the knowledge from **Chapter 14** of the textbook.

Objective:

1. Review top-down design
2. Understand and apply the concept of recursive thinking.

Problem Description:

Write the following two functions and test them

```
int str_length(char s[], int start);
// Recursive version of strlen.
// It returns the length of the substring from s[start] to
// the char before '\0',
// inclusive. When str_length(s, 0) is called, the length
// of s is returned.

int sum(int n);
// Recursive version to calculate the sum of
// 1 + 2 + .... + n
```

Due date will be announced on blackboard.