

COSC 201 – Lab #9

Recurring the Professor

Purpose: to practice recursion. MWAHAHAHAHA

Tasks:

- 1.) Open Eclipse and start a new Java Project called CurseYouAlanthePlatypus Project
- 2.) You will create two recursive methods:
 - a. An alternate way to solve the maximum contiguous subsequence sum problem is to recursively solve the problems for items in positions low to mid-1 and then mid+1 to high. Yes, mid is not included on purpose. Implement this solution.
 - b. Write the method with the signature:

```
public static void permute(String str){
```

that prints all permutations of the characters in String str. If str is “abc”, then the strings output are abc, acb, bac, bca, cab and cba. Use recursion.

- 3.) Turn in your code via the Digital Dropbox in Blackboard.