

COMP 2355
Winter 2012
Lab #3
January 14, 2012

1. Write a function that will crash with a stack overflow.
2. Declare an array and then write a function that will read memory elements past the end of the array. What happens if you read from and write to these locations?
3. Write a function to return a reversed version of a character array:

```
char *MakeReverseCopy(char *)  
{  
}
```

Hints:

Your algorithms should:

1. Allocate new memory for the new string.
2. Copy and reverse the old string into the new copy.
3. Return the copy

You can use `strlen(char *c)` in `string.h` to find the length of a string.

In your main function be sure to free the memory used by the string that you allocated.