

COSC 201
Extra Exercises - Stacks and Queues
Fall 2012

1. Write a program that takes in a string and outputs all permutations of that string recursively using the following prototype:

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

[Solution: Permutation.java]

2. Write a program that takes in an integer and returns the number of 1s in the binary representation of that string recursively. [Solution: HighBits.java]
3. Write a recursive method allSums that returns a List<Integer> containing all possible sums that can be formed by using any of the items in an integer array passed to the method at most once. [Solution: Sums.java]