### Recursion Exercises (Due 12 Oct 2020)

These are the assignment problems taken from the Java Section of Coding Bat but modified for Python. You will have to download the code [recursion2.py.txt](https://www.cs.utexas.edu/users/mitra/csFall2020/cs313/assgn/recursion2.py.txt) and fill in the header. Remove the *.txt* extension. That extension is there because some browsers may not allow you to download executable files.

For each function that you wish to write, remove the comment symbol (#). Write your code and test it on the command line. Supposing the function you wrote was *groupSum*. Then you will execute the following command:

python3 recursion2.py groupSum

You do that for every function that you write. **Do not modify the functions that have not been assigned.**

I would like you to do the following problems. For each of the problems you will have to modify the sub\_sets() function that we wrote in class.

1. groupSum
2. groupSum6
3. groupNoAdj
4. groupSum5
5. groupSumClump
6. splitArray
7. splitOdd10
8. split53

Use the [Canvas](http://canvas.utexas.edu/)program to submit your **recursion2.py** file. We should receive your work by 11 PM on Monday, 12 Oct 2020. There will be substantial penalties if you do not adhere to the guidelines. Do work with a partner for these exercises.