

## 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](#) 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](#) 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.