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Concurrency HW4 Question 3

```
class ArraySum implements Callable<Integer>{
    static ExecutorService exec = Executors.newCachedThreadPool();
    int[] a;
    static public int sum(int[] a){
        this.a=a;
        return call();
    }
    public Integer call(){
        if(a.length > 1){
            int q = Math.floor(a.length/2);
            Futur<Integer> left = exec.submit(new ArraySum(Arrays.copyOfRange(a,0,q));
            Futur<Integer> right = exec.submit(new ArraySum(Arrays.copyOfRange(a,q+1,a.length));
            return left.get() + right.get();
        }else{
            return a[0];
        }
    }
}
```