

Friday, September 30, 2016

2) Write a recursive function that prints a countdown from a number, going down by two. Once the count is zero or below, it should print "BLASTOFF!". [30 points]

Consider this function:

```
void other(int m) {  
    if (m <= 0) {  
        System.out.println("ok");  
        return;  
    }  
    System.out.println("wait");  
    other(m - 1);  
    other(m - 3);  
    System.out.println(m);  
}
```

3) What's printed when you call other(3)? [30 points]

Consider these two functions that each take an `ArrayList<Integer>` as a parameter:

```
void something(ArrayList<Integer> ints) {  
    ints.add(777);  
}  
  
void somethingElse(ArrayList<Integer> ints) {  
    ints = new ArrayList<Integer>();  
    ints.add(333);  
}
```

4) What gets printed when the following code is run? [20 points]

```
ArrayList<Integer> ints = new ArrayList<Integer>();  
ints.add(10);  
something(ints);  
System.out.println(ints);
```

5) What gets printed when the following code is run? [20 points]

```
ArrayList<Integer> ints = new ArrayList<Integer>();  
ints.add(1);  
ints.add(2);  
somethingElse(ints);  
something(ints);  
System.out.println(ints);
```