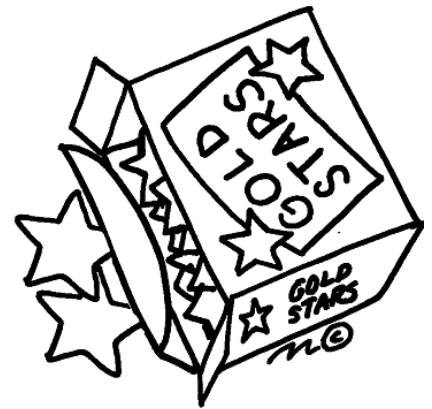# Recursive Sequences

Create recursive methods to print these sequences on the screen.

A good (and insanely inefficient) way to test your sequence is with a loop:
```
        for (int i = 1 ; i < 10 ; i++)
            System.out.print (s (i) + " ");
```

Save before you run it! You could overload memory easily if your method is wrong.

```
1.    25 24 23 22 21 20 19 18 17
2.    25 23 21 19 17 15 13 11 9
3.    2 4 6 8 10 12 14 16 18
4.    2 3 4 5 6 7 8 9 10
5.    1 2 4 8 16 32 64 128 256
6.    2 2 4 6 10 16 26 42 68
7.    3 3 6 9 15 24 39 63 102
8.    1 2 6 24 120 720 5040 40320 362880
```

Some starter code:

```java
public class sequence {

    public static void main(String[] args) {

        for (int i = 1 ; i < 10 ; i++)
            System.out.print (s1 (i) + " ");
    }

    public static int s1(int n){
        if(n<=1)
            return 1;
        else
            return s1(n-1)+1;
    }

}
```