

Lab 2: Review of Recursion

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Exercises:

- Please review the Wikipedia article on [recursion](#).
- From [CodingGround](#) select your favorite programming language (look for the section 'Online Compilers and Interpreters') and write a program that first creates a list with the integers 0 through 9 and then traverses that list RECURSIVELY (no for/while loops allowed) and prints out the integers on the list.
- NOTE: creating the list does not have to be done recursively.

NOTE: Be sure to create yourself an account on [CodingGround](#) so that you can save your work. You will also need that account later for our work with SML.

```
import java.util.*;

public class Main {

    public static void RecursionList(int[] list,int i){

        if(i == list.length){
            return;
        }

        System.out.println(list[i]);
        valuelist(i+1);
    }

    public static void main(String[] args) {

        System.out.println("Create List from 0 to 9.....");
        System.out.println("Print list 0 to 9");
        valuelist(0);
    }

    public static void valuelist(int i){

        int[] list = {0, 1, 2, 3, 4, 5, 6, 7, 8, 9};
        RecursionList(list,i);
    }
}
```