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2. quiz Ackermann function

```java
package quizAckermann;
import java.util.*;
public class ackermannFunction {
    public static int A (int x, int y) {
    if (x == 0) {
        return (y+1);
    }
    else if (x>0 && y==0) {
        return A(x-1, 1);
    }
    else if (x>0 && y>0) {
        return A(x-1, A(x, y-1));
    }
    else {
        return 0;
    }
    }
    public static void main (String[] args) {
        Scanner scanner = new Scanner (System.in);
        System.out.println(" Enter the first number: ");
        int x = scan.nextInt();
        System.out.println(" Enter the second number: ");
        int y = scan.nextInt();
        System.out.println ("Result: " + A(x,y));
    }
}
```