

**Lab 7 · Recursive Procedures***Lecturer: Philippos Mordohai, Shudong Hao**Date:***1 Objective**

- Implement and call recursive procedures.

**2 Finding the Maximum Value in an Array**

Initialize an array of doublewords in the `data` segment of your program. Implement a *recursive* function that finds the maximum value in the array.

An example of a recursive function for finding the minimum can be found at [geeksforgeeks.com](https://www.geeksforgeeks.com). We are interested in the *maximum*.

Your program must print the maximum at the end using `printf`.

**3 What to Submit**

Your source code in a `.s` file. Non-recursive solutions will receive very little credit.