

Lab 7 · Recursive Procedures*Lecturer: Philippos Mordohai, Shudong Hao**Date: October 19***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.