**HW#6 (CSC390); Turn in your code on the Blackboard by** 03/24/2017 by 11:30PM

**#Q1.** Consider the following two C procedures (swap and sort) and their corresponding MIPS assembly codes as shown in the figures 1 and 2, respectively. Using these two C procedures (swap and sort) write a MIPS assembly program that will sort the following array elements in the **ascending order**. What changes would you make to sort the array elements in **descending order**?

**Array= [100 50 75 -1 -50 500 20 40 40 17 19 23 5 7 -20]**

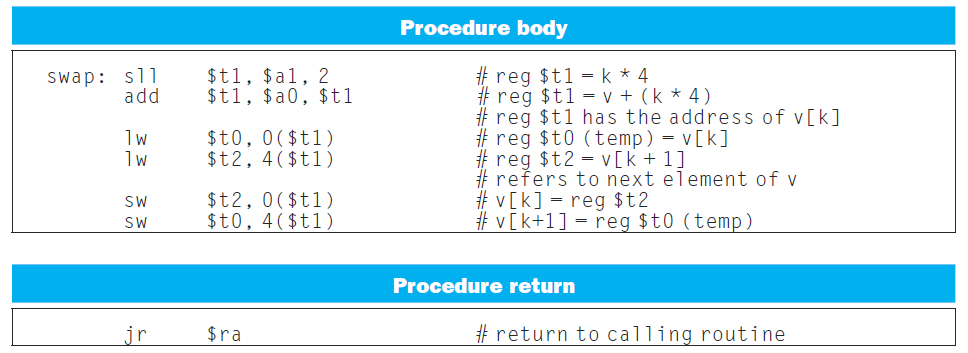
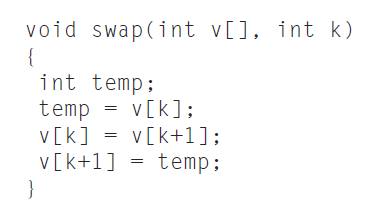
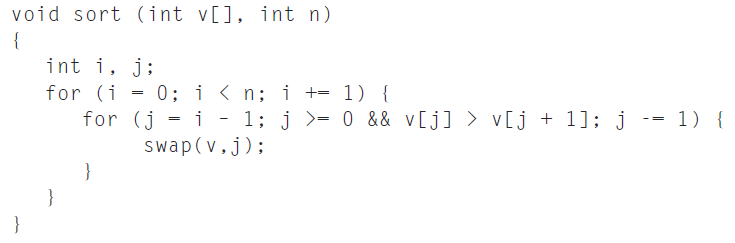


Figure MIPS assembly code for swap procedure



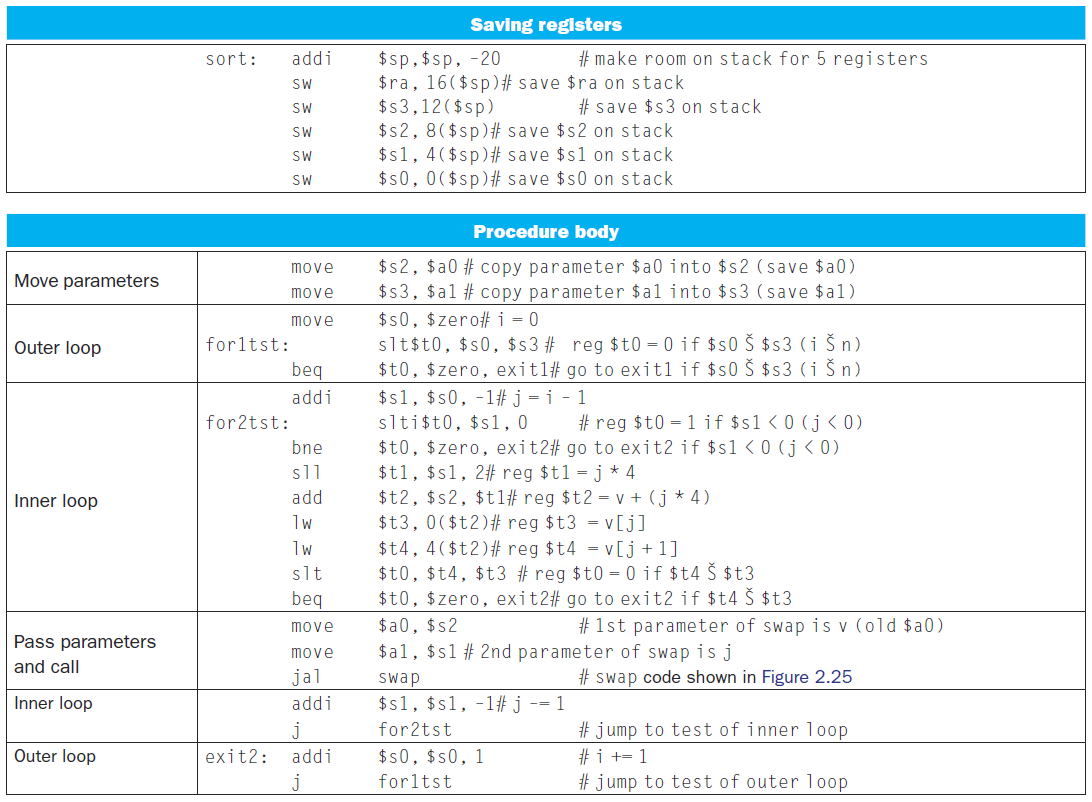
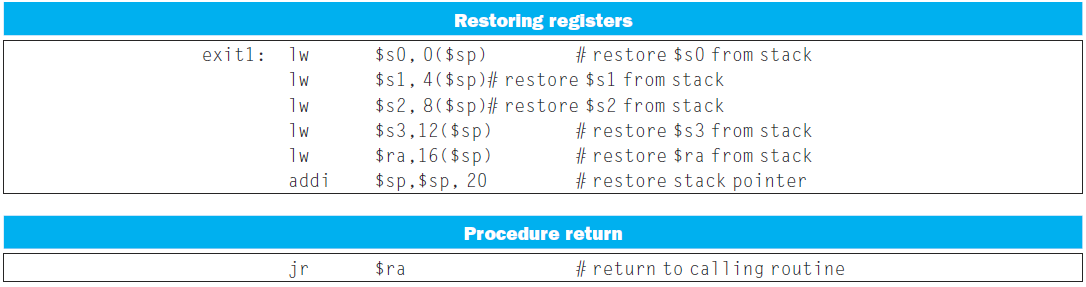
 

Figure MIPS assembly version of sort procedure

Results (ascending order) :



Results (descending order) :

