

Course Name: Computer Architecture and Assembly Language Lab

Course Number and Section: 14:332:333:04

Experiment: [Experiment # [5] – RISC-V functions and pointers]

Lab Instructor: Mengmei Yei

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Submitted by: [Name- Smeet Kathiria and RUID# 173000011]

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GRADE: _____

COMMENTS:

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Note – Exercise 1 and 2 are fixed in the code file. Please have a look.

Exercise 3 – Main function is on line 97.

```
0000000000001019c <main>:      # main function
1019c: 1101          addi sp,sp,-3
1019e: ec22          sd 20,24(sp)
101a0: 1000          addi 20,sp,32
101a2: 4785          li a5,1
101a4: fef42623      sw a5,-20(s0)
101a8: 478d          li a5,3
101aa: fef42423      sw a5,-24(s0)
101ae: fec42703      lw a4,-20(s0)
101b2: fe842783      lw a5,-24(s0)
101b6: 9fb9          addw a5,a5,a4
101b8: 2781          sext.w a5,a5
101ba: 853e          mv a0,a5
101bc: 6462          ld s0,24(sp)
101be: 6105          addi sp,sp,32
101c0: 8082          ret
```