

TD 1

Architecture (RISCV)

EXERCISE #1 ► Add one to array elements

Write a program RISCV that adds all the elements of an array in memory (between “beg” and “end” addresses):

```
1 # array sum in RISCV - 2019-20
    .text
    .globl main
main:
## add riscv instructions here
6
11
16
21
26
## end. a0 should contain the result.
    ret
31
    .section .rodata
beg:
    .word 3
    .word 42
    .word 70
36 end:
    .word 1800
```