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PW N° 02

Year: 2025/2026

Module: Computer Architecture

Exercise1:

Write an assembly program that asks the user to enter their name, first name and age, so the program redisplays the information read on the keyboard.

Exercise2:

Here is the assembly code in MIPS. What is the role of this program?

.data

```
str:.asciiz " the answer is:"
x:.word 10
y:.word 15

.text
li $v0,4
la $a0,str
syscall
lw $t0,x
lw $t1,y
add $t2,$t0,$t1
li $v0, 1
move $a0,$t2
syscall
li $v0, 10
syscall
```

Modify the program to make a multiplication $(F=x^*y)$ then a division (x/y).

Exercise3:

Write an assembly program that asks the user for two integers X and Y then calculate:X+ Y

- X-Y
- X.Y
- X/Y
- XmodY