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Institute of Mathematics and computer science
Department of Computer Science
2nd Year Informatics

Year: 2024/2025
Module: Computer Architecture

TP N° 02

Exercice1:

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.

Exercice2:

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).

Exercice3:

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