

Sistemas Informáticos (Computer Systems)

Unit 01. Activities 01



Authors: Sergi García, Alfredo Oltra

Updated September 2022



UNIT 01. ACTIVITIES 01

1. EXERCISE 01

Investigate the “Harvard modified architecture”.

You can obtain information in https://en.wikipedia.org/wiki/Modified_Harvard_architecture

Post the main differences with “Von Neumann architecture” in the forum and discuss them with your classmates.

2. EXERCISE 02

Summarize how “Von Neumann architecture” works.

3. EXERCISE 03

Summarize the instruction cycle.

4. EXERCISE 04

Try to find 2 samples of CISC CPUs and 2 samples of RISC CPUs. Share them in the forum and discuss them with your classmates.

5. EXERCISE 05

Follow this tutorial <https://sites.google.com/site/kotukotuzimiti/> in order to understand how a 2 bit fictitious computer works. Share your solutions and ask your doubts using the forum.