### Computer Systems – Activities 1

# UD 02. FUNCTIONAL ELEMENTS OF A COMPUTER

Computer Systems
CFGS DAW

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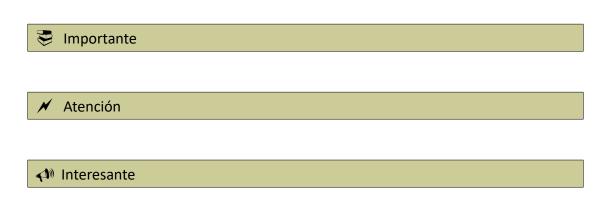
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#### Nomenclatura

A lo largo de este tema se utilizarán distintos símbolos para distinguir elementos importantes dentro del contenido. Estos símbolos son:



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#### (Exercise 1)

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.

#### (Exercise 2)

Summarize how "Von Neumann architecture" works.

#### (Exercise 3)

Summarize the instruction cycle.

#### (Exercise 4)

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.

#### (Exercise 5)

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