

# UNIT 2. FUNCTIONAL ELEMENTS OF A COMPUTER Activities-1



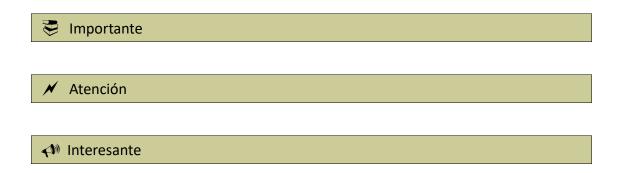
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## Nomenclatura

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



# UD02. FUNCTIONAL ELEMENTS OF A COMPUTER Activities-1

#### (Exercise 1)

Investigate the "Harvard modified architecture".

You can obtain information in

https://en.wikipedia.org/wiki/Modified\_Harvard\_architecture

<u>Post</u> 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 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 forum.