Important note

- **Parameter passing mechanism and place used to pass parameters**

  - **Fact:**

    - There are **2 independent** issues when you **pass parameters**:

      - **How** a **function** **passes** a **parameters**:

        - **Pass** the **parameter** by **value**
        - **Pass** the **parameter** by **reference**

      - **Where (= what memory space)** does the **function** **uses** to **pass** the **parameter**:

        - We have see: **register**
        - We **will** see: *stack* (soon) !!!

- **My didactic approach**

  - **Fact:**

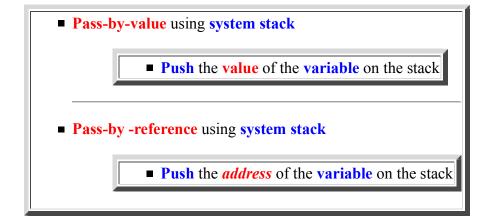   - It's **conceptually** **easy** to understand **parameter passing** when the **parameter** is passed using *registers*

    That's why:

    - I **showed** you:

      - **Pass-by-value** using **registers**
      - **Pass-by -reference** using **registers**

  - We will **soon** learn:

- **Passing parameters** using the **system stack** !!!

○ You can **pass parameters**:

- **Pass-by-value** using **system stack**

  - **Push** the **value** of the **variable** on the stack

- **Pass-by -reference** using **system stack**

  - **Push** the *address* of the **variable** on the stack