Processes

Process Overview

- A **process** is the instance of a **computer program** that is being executed by the **processor**.

- **Processes** are located in the system's **primary memory**, and are composed of:

  1. The process text (executable instructions).
  2. The process data (global and static variables).
  3. The process heap (dynamically allocated memory).
  4. The process stack (local variables and function calls).
  5. The process state (managed by the kernel).

- **Processes** may be composed of **several threads** allowing for **several instructions to be executed simultaneously**.