Notes lecture 6

A close up of words

Description automatically generated

A black text on a white background

Description automatically generated

[Complete example](https://ubbcluj.sharepoint.com/:b:/r/sites/MAP2024-2025InformaticaEngleza/Class%20Materials/Lecture/Lecture6.pdf?csf=1&web=1&e=MjTAji) – pg. 29

* **Synchronization** via:
  + Synchronized **method**



* + Synchronized **statement**

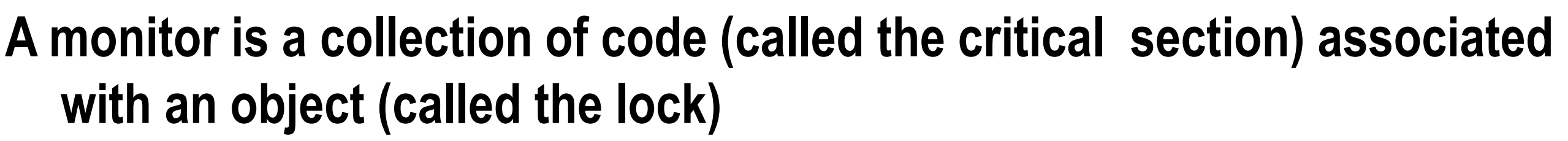


* + **Conditional variables** typical usage:

A screenshot of a computer code

Description automatically generated

* Java **Monitor Model**



* + [Consumer-Producer example](file:///Users/cristiantiut/Library/CloudStorage/OneDrive-UniversitateaBabeş-Bolyai/UNI/MAP/consumer-producer.java) (with Runnable and synchronized statement)
  + Consumer-Producer from course:

A screenshot of a computer program

Description automatically generated

A screenshot of a computer code

Description automatically generated

A computer code with text

Description automatically generated with medium confidence

A screenshot of a computer program

Description automatically generated

**Thread groups**

A close-up of a white background

Description automatically generated

* Threads can be created directly in a thread group using one of the constructors with a thread group parameter
* Collection management methods:
  + ***activeCount()***
  + ***enumerate(tarray)*** – called on a ThreadGroup object instance is used to copy every active thread from the group in *tarray*