

Lab 2 - Producer-consumer synchronization

The following classes are present:

ProducerConsumer:

- It has 2 vectors and a list, a capacity
- The vectors values are randomly created
- Method produce() which is called by the producer thread, a condition to check if the list size is full, if it is, it waits, the product is inserted in the list. The synchronized() method is used
- Method consume(), the product is added to the current product, the producer thread is notified. The synchronized() method is used

Main:

- The 2 threads, producer and consumer are created, started and joined

Eg:

Vector one: [30, 98, 52]

Vector two: [19, 42, 67]

Current product: 570

Current product: 4686

Current product: 8170