**Java Problem Statement - 3**

Write a program to produce & consume an integer random number using multithreading.

* 1. Create 2 threads producer & consumer.
  2. Consumer thread will wait until Producer thread generates random number.
  3. Producer thread will wait until Consumer thread consumes it. This process will happen infinitely.
  4. Note that we should first produce & then only consumption should happen. Use wait(), notify() to achieve synchronization & inter-threaded communication.