

Task:

General Idea:

Primarily, the task is to create a prime number selector. For the sake of scalability, the task should be split into 2 services: A **Producer** and a **Consumer**.

Requirements:

- min. Java 8
- Producer and consumer must be written as separate Microservices
 - e.g. Quarkus, Micronaut or Spring Boot
- Use Docker / Docker-Compose for spin up

Producer:

The producer should generate a stream of random numbers (up to 5 numbers per second / filled stream size of maximum 100 numbers) and send them to the consumer. Also, please write down the content of the stream in a csv file so that the result can be verified against it.

Consumer:

The consumer should consume the stream of random numbers and identify prime numbers from it. The identified prime numbers should be written to a csv file. The order of prime numbers is not important; however, use a “,” as a delimiter between each number.

Optional:

If possible please write down tests for the consumer.

It would also be nice to use git for this task with an instruction file on how to run it.