Kasagi Labo programming challenge.

Once completed, send us all 3 files.

Challenge A

Write a program that will generate four (4) types of printable random objects and store them in a single file, each object will be separated by a ",". These are the 4 objects: alphabetical strings, real numbers, integers, alphanumerics. The alphanumerics should contain a random number of spaces before and after it (total should not exceed 10 spaces). The output should be 10MB in size.

Challenge B

Create a program that will read the generated file above and print to the console the object and its type. Spaces before and after the alphanumeric object must be stripped.

Challenge C

Dockerize Challenge B. Write a docker file so that it reads the output from Challenge A as an Input. Once this container is started, the program in challenge B is executed to process this file. The output should be saved in a file and should be exposed to the Docker host machine.