**Coding Problem**

You are given a list of files in a text file. The list could be large and stored at location **X**.

You need to read those files from directory **A**, download the files in directory **B** locally and print name and size of each file.

Requirement:

1. Download of list of files must be done in memory.
2. Download of files from list must be done at the same time.

Restriction:

Java 8 or above version

Application should consume < 50MB

Application should be run from command line, outside IDE.

Please note that in real time location X, and directory A will be a network location. For this coding problem, you can build locally.

Try to solve this problem in different ways like Producer consumer (Blocking queues) and other multi-threading concepts.

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1. What are the advantage/disadvantage of microservices over monolithic.

2. how to scale monolithic application to handle huge traffic and scaling limitation.

3. What should be the best  approaches to break a monolithic application into microservices.

4. How to implement common security features for all microservices.

5. how to containerize an application.

6. Virtualization tecnique using docker.

7. Difference between docker image and docker container.

8. How to organize multiple microservices and run them together.  
  
9. how to implement  common gateway microservice.

10. What is xml?

11. Can I send a .exe file in xml?

12. Difference between xml and csv?

13. How you do code review?

14. How you decide which line to comment on while doing code review?

15. What challenges did you face while migrating the database?

16. How can we upgrade java version in a legacy system?

17. What are the area to focus while version upgrade?

18. What happens when we put an URL in browser and hit enter?

19. How do we change an API if already 100s of clients are using that API?

20. How do we change an API if contract needs to be change?

21. What is Docker and how it works?