Network Programming

Deadline is the midnight of Next Saturday 29th of May, 2021.

- You are required to write a client-server program for calculating determinate and matrix transpose.

- The client side asks the user to enter the matrix. Then ask the user which operation he wants: 1-transpose, 2-Determinate.

- The server supports the two services, each service at a different port.

- After the client sends the requests it sleeps for a random number

    - Hint include "import java.util.Random;"

    - Use this line to sleep for a random number

        - Thread.sleep((new Random()).nextInt(10000));

- The server should be able to handle both services simultaneously.

- You should print the transpose matrix in the matrix format and not just in one line.

- You should be able to handle several clients for both services at the same time.

N.B.:

You will need to use threading

You may need to implement a serializable object ;)