Coding skills test: -

Task

The task is to create e client/server solution where the components have the following roles.

Server

- Read the file islands_in_the_stream.txt from disk.
- Send it to the client when the client requests to have it

Client

- Connect to the server and request to get the file
- Create a top ten lists over the most common words in the file and the number of occurrences for these words.

Instructions to compile and execute the file

Open the Zip file and open the ClientServerCommunication folder in the IntelliJ, which is IDE for Java and follow the instructions below.

1.Run the server file

- Open the terminal and run the server file. If the server file executed successfully, the message will be displayed as "server is listening on port 8080(localhost)"

2.Run the client file

- Open the new terminal run the client file, if the client file executed successfully then the message will be displayed "client connected" in the server terminal
- In the terminal which the client server executed the message will be displayed as "Do you need to request the islands_in_the_stream.txt?"
- If we need to request the file, then click 1 and enter
- The most common words and their frequency (number of occurrences) will be displayed in the terminal as mentioned in the task.