

Declaration of Solution for Part 2 Exercise 2

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Link to Github for Part 2 Exercise 2

The solution is available at

https://github.com/WeiHen01/BITP3123_Lab14/tree/master/lab14/src/Part2Exercise2

List of Classes for the Solution of Part 2 Exercise 2

Server-side:

Class: UDPServerSentenceApp, SentenceTextProcessor, IOException, DatagramPacket, DatagramSocket, InetAddress

Methods: getAdd(number1: int, number2: int, number3: int), getMultiply(number1: int, number2: int, number3: int), main(params:String[])

Client-side:

Class: UDPClientSentenceApp, IOException, DatagramPacket, DatagramSocket, InetAddress, Scanner

Methods: main(params:String[])

Sample of Output

1. At server-side, UDPServerSentenceApp

Console:

```
UDPServerSentenceApp [Java Application] [pid: 8016]
UDP Server Sentence App: UDP Sentence Processing Server-Side Application.

Message received: Hey, I am Ng Wei Hen.
Message sent (total Vowel) : 6.
Message sent (total Consonant) : 8.
Message sent (total Punctuation) : 7.
```

2. At client-side, UDPClientSentenceApp

Console:

```
<terminated> UDPClientSentenceApp [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (Jun 23, 2023, 12:16:47 AM - 12:16:59 AM) [pid: 7548]

UDP Client Sentence App: UDP Sentence Processing Client-Side Application.
Enter text: Hey, I am Ng Wei Hen.

Sending 'Hey, I am Ng Wei Hen.' (21) out on network.
Number of vowels from the server is : 6
Number of consonants from the server is : 8
Number of punctuations from the server is : 7

UDP Client Sentence App: End of program.
```