**Lab#3:**

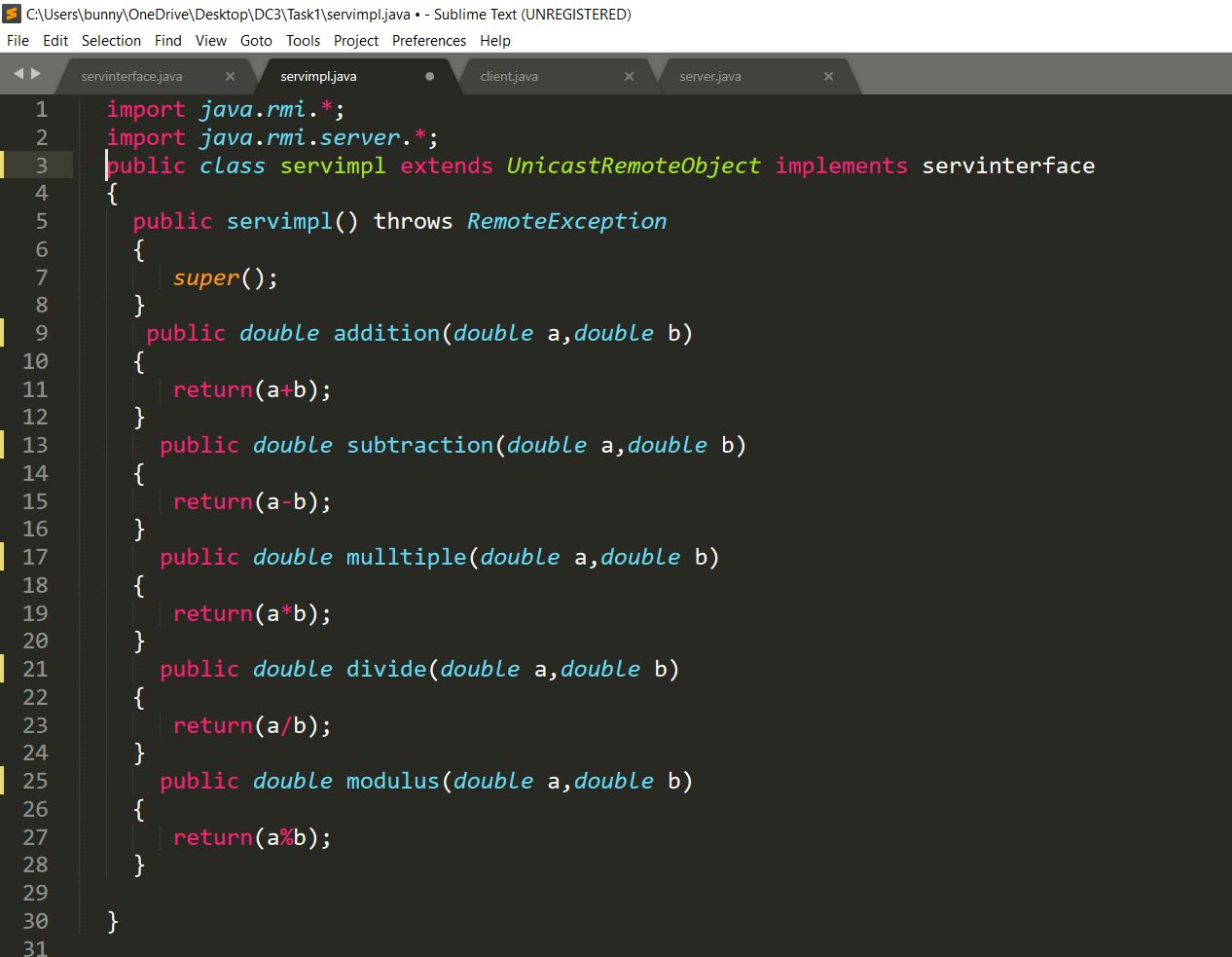
**Objective**: To learn RMI basics: Generate the stubs and skeletons and run client and server.

**Task#1:** Create RMI program in which server performs basic arithmetic operations.

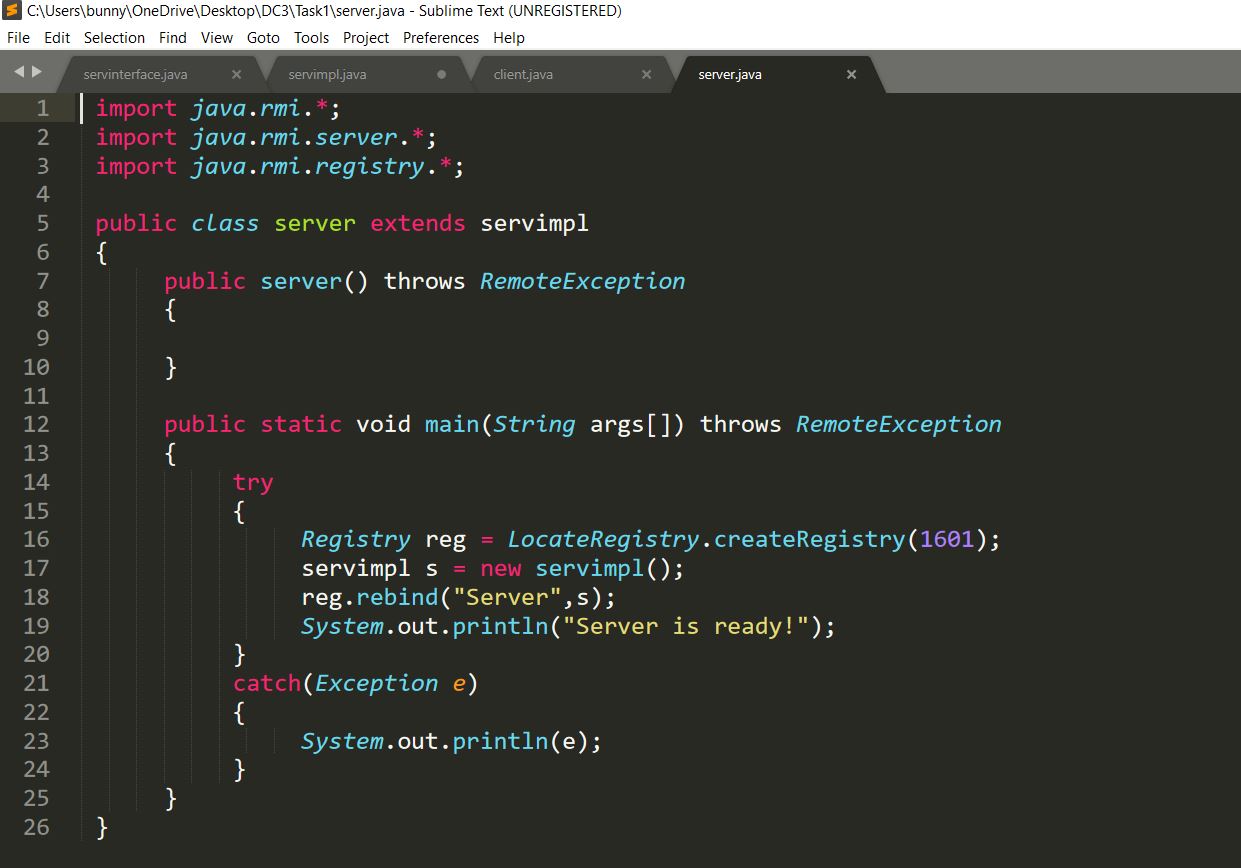
**Interface:**

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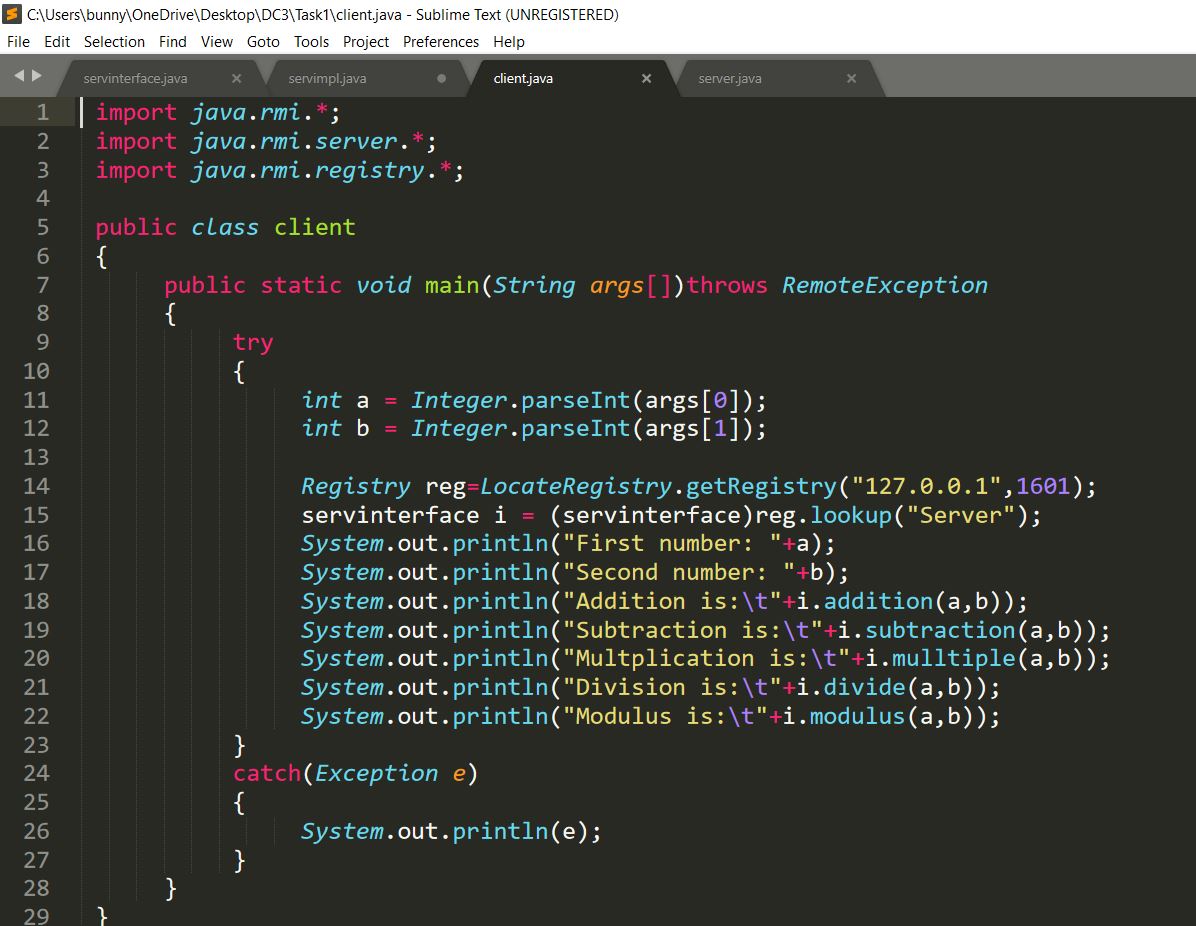
**Server Implementation:**

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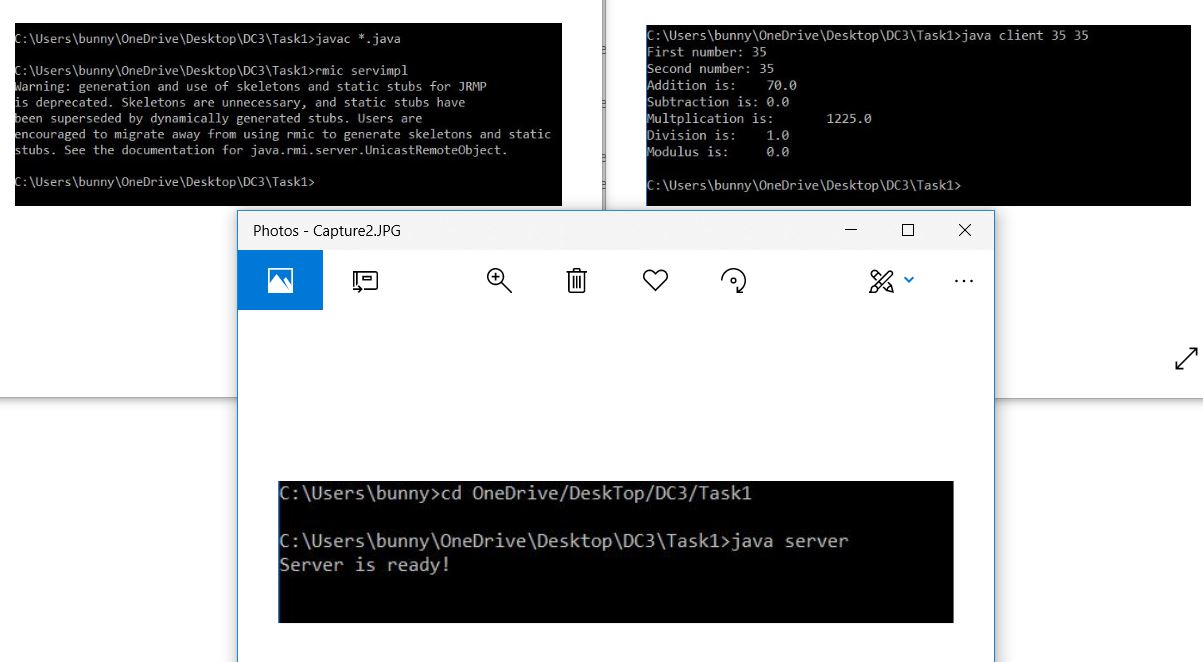
**Server:**

****

**Client:**

****

**Output:**

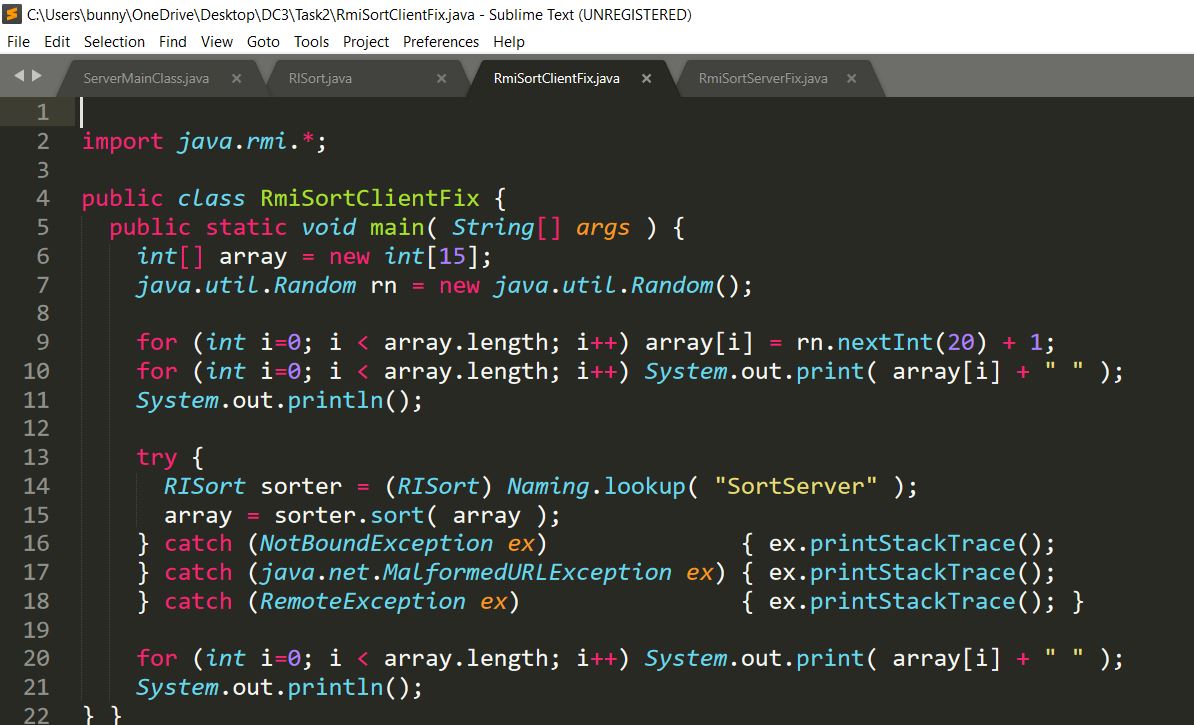
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**Task#2:** Create RMI program in which server sorts the numbers in ascending order.

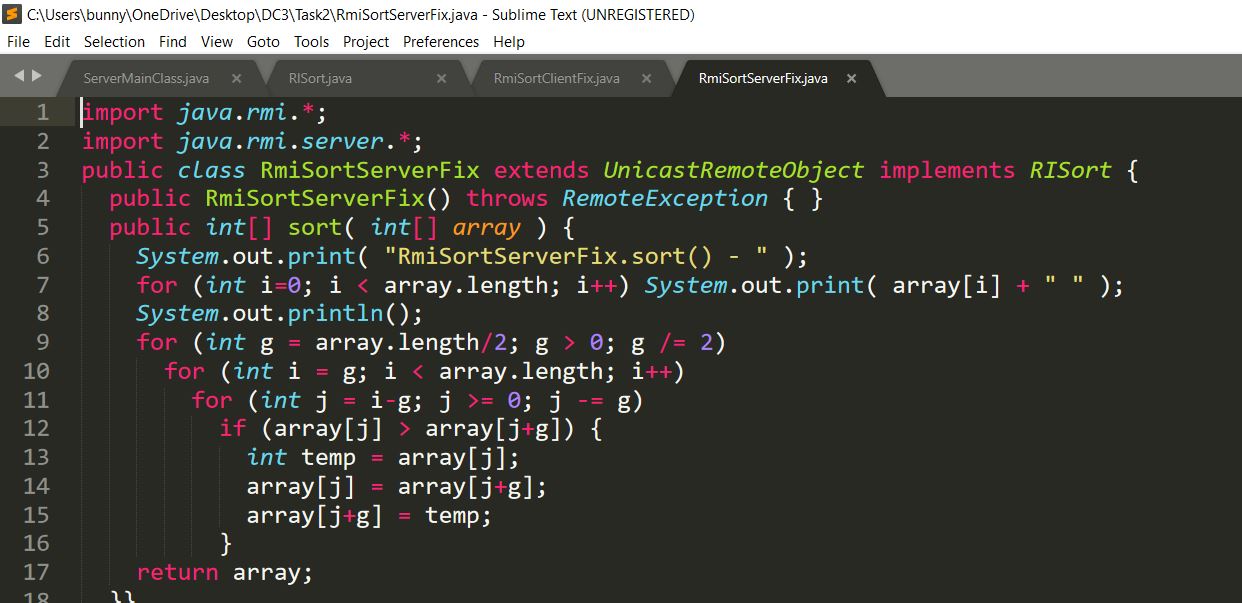
**Interface:**

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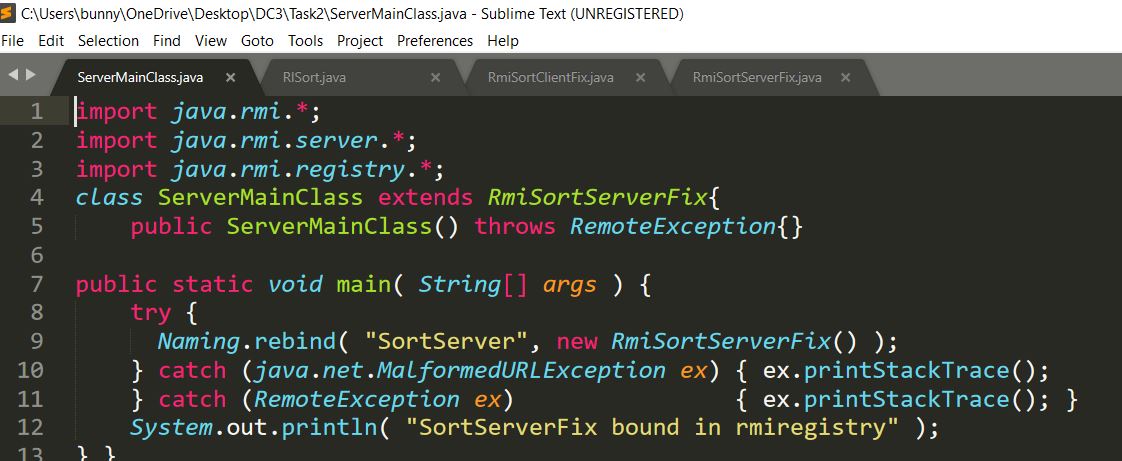
**Client:**

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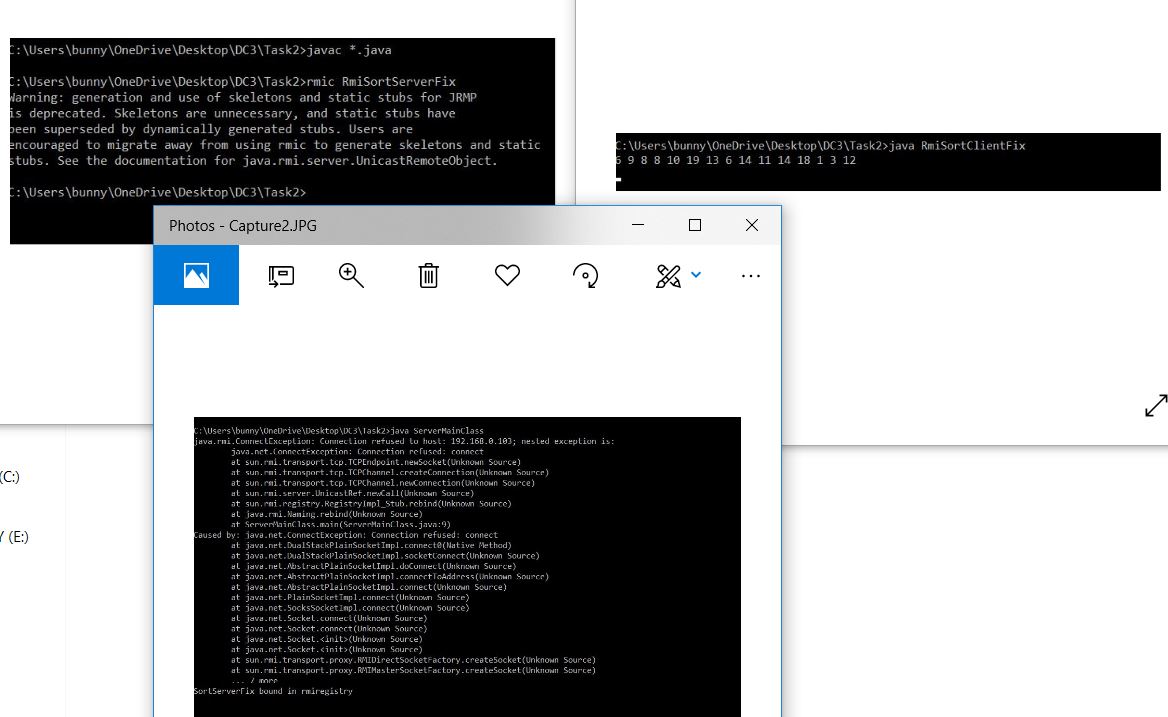
**Server:**

****

**Server Main:**

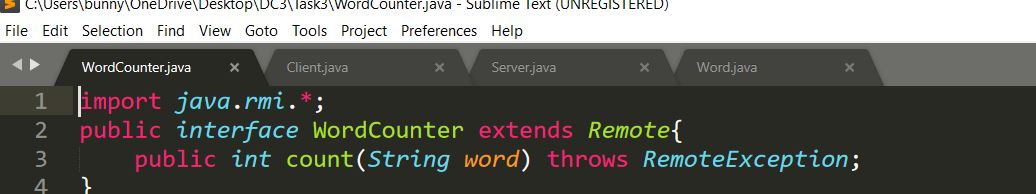
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**Output:**

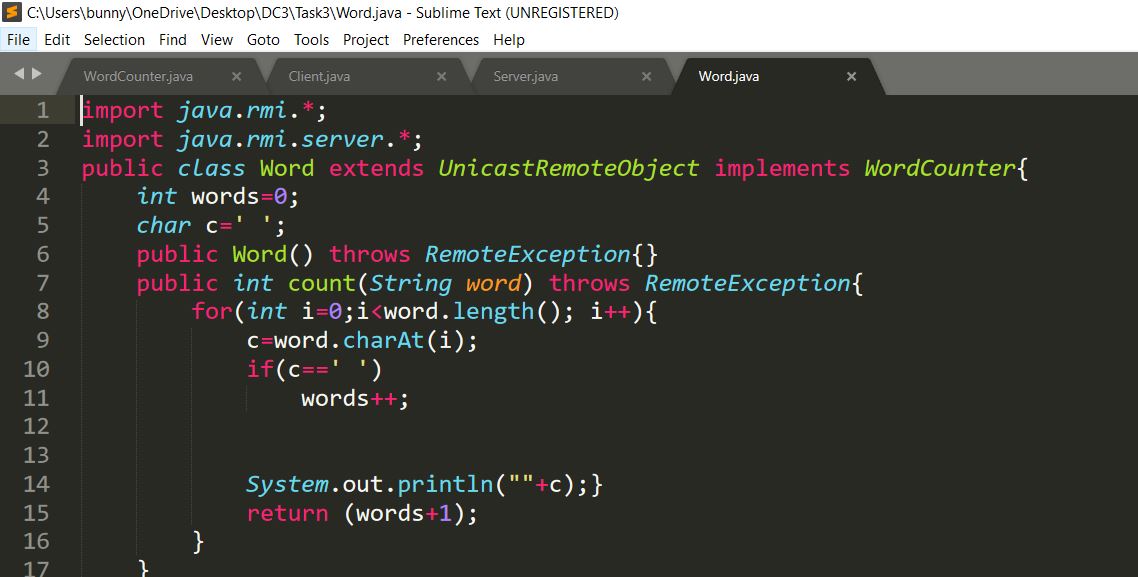
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**Task#3:** Write an RMI program to implement the Map/Reduce concept of Hadoop on the server program. In other words the client program asks user to provide multiple sentences and send to server, server sends back the word counts.

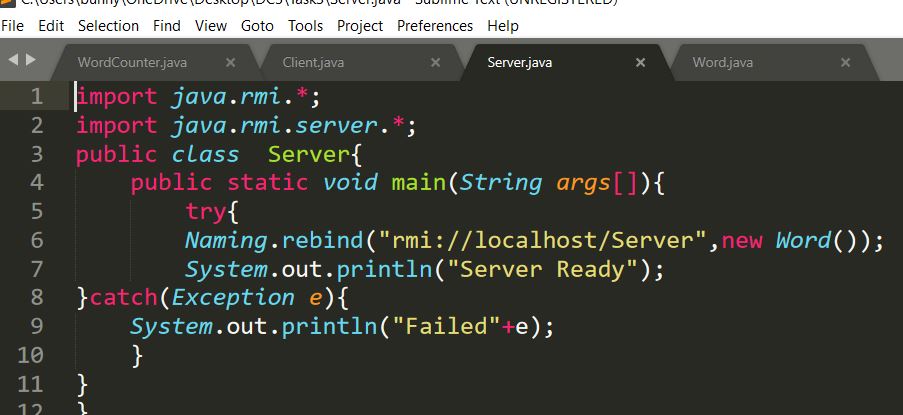
**Interface:**

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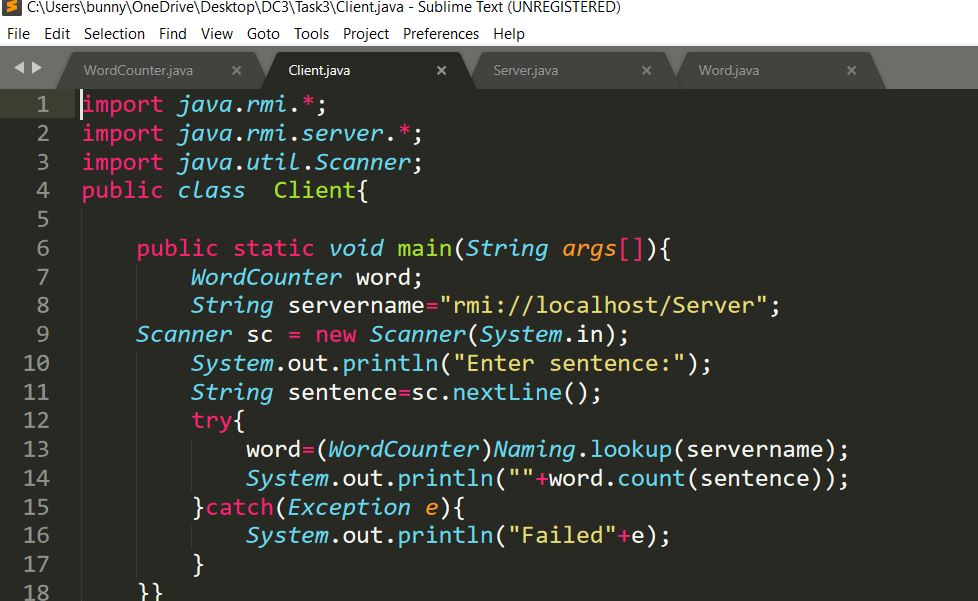
**WordCounter:**

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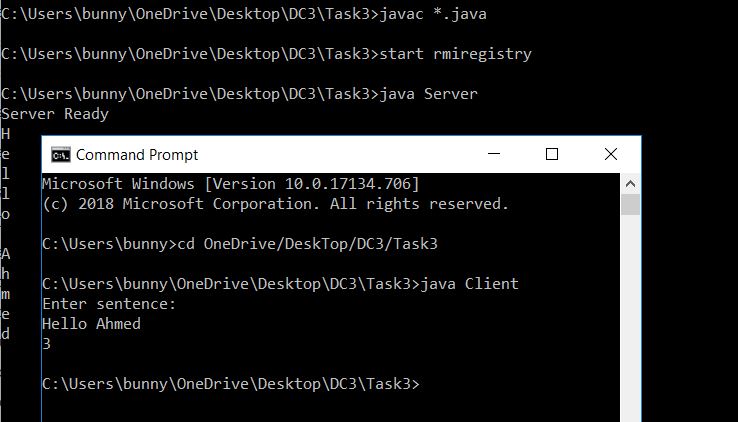
**Server:**

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**Client:**

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**Output:**

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