**LAB NO:3**

**OBJECTIVE: Generate stubs and skeletons using RMI in java and run client and server.**

**CLIENT:**

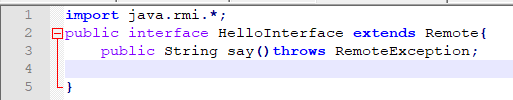
* HelloInterface.java(interface)
* HelloClient.java(client main class)

**SERVER:**

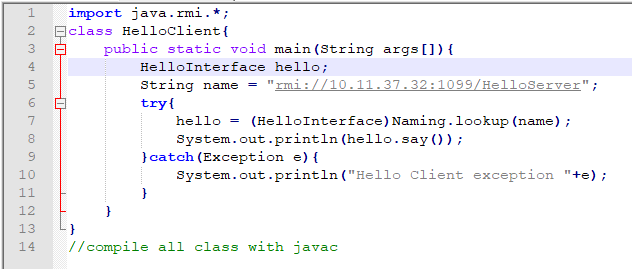
* Hello.java(Remote Object Class)
* HelloServer.java(server main class)
* HelloInterface.java(interface)

**CLASSTASK: Send message from server to client using RMI**

HelloInterface.java



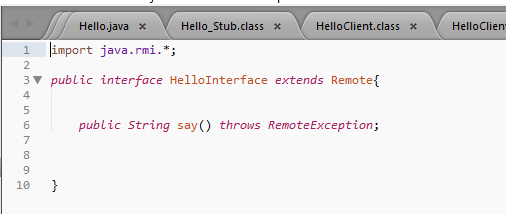
HelloClient.java



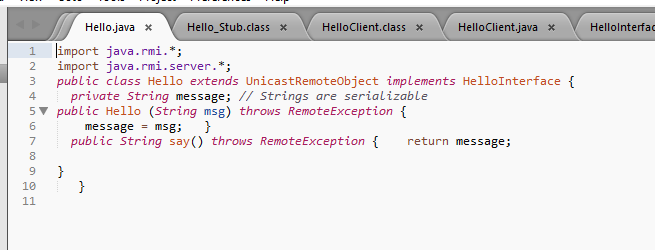
Server Main class



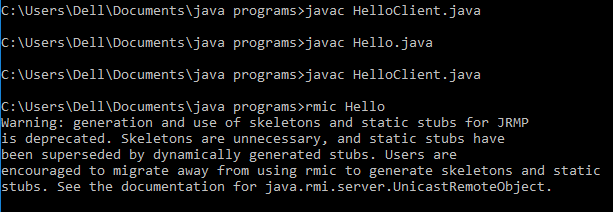
Remote interface



Remote object class:



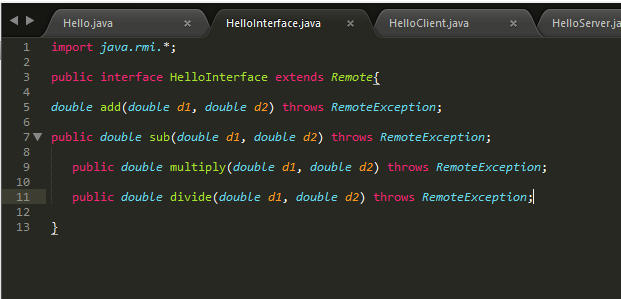
OUTPUT:



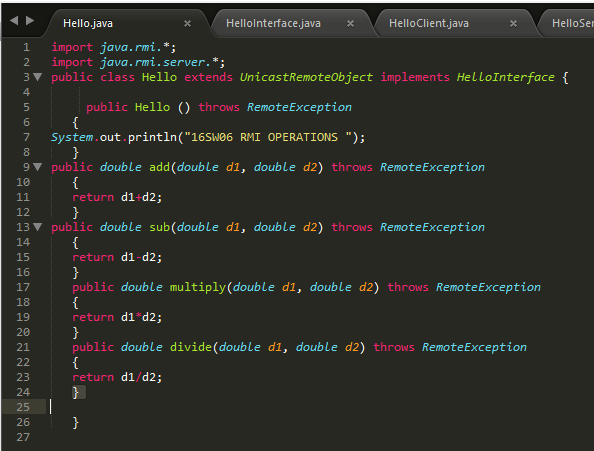


**TASK:Create an RMI program in which server performs the basic arithmetic operations.**

**Remote Interface:**



**Remote Object class**



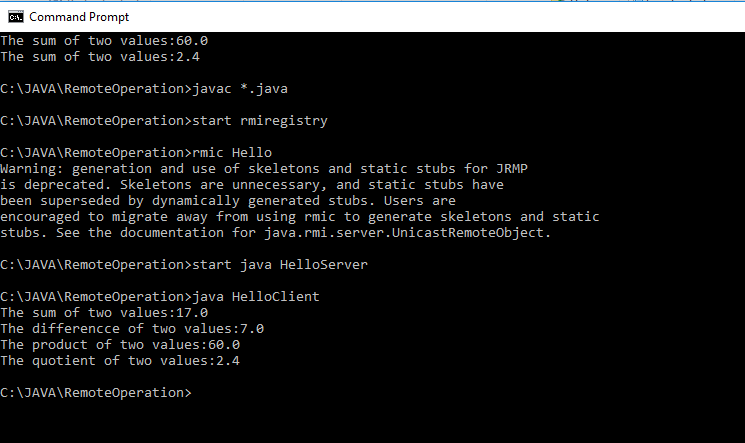
**Client Main class**



**Server Main class**



**OUTPUT:**

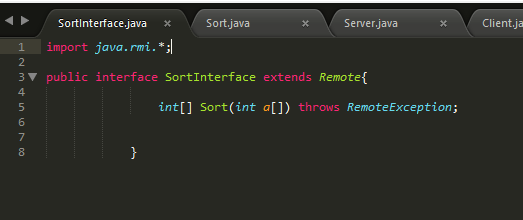


**Server:**

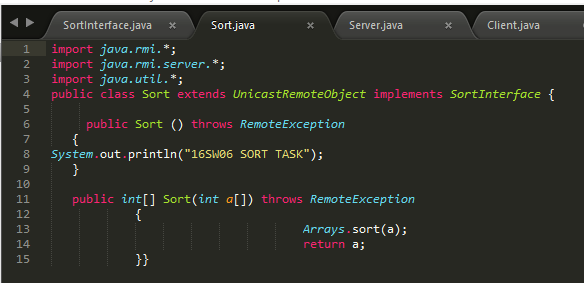


**TASK:Create an RMI program in which server sorts the number in ascending order.**

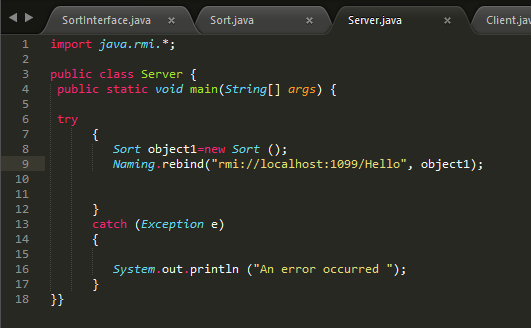
**Remote Interface:**



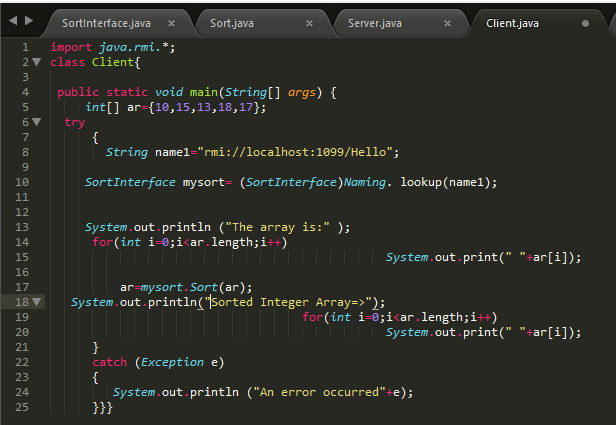
**Remote Object class:**



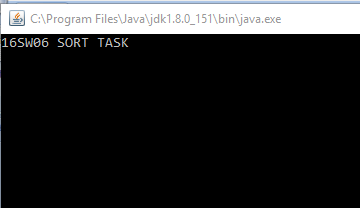
**Server Main class:**

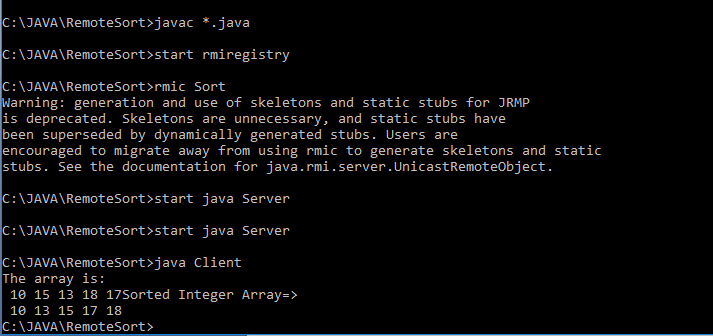


**Client Main class:**



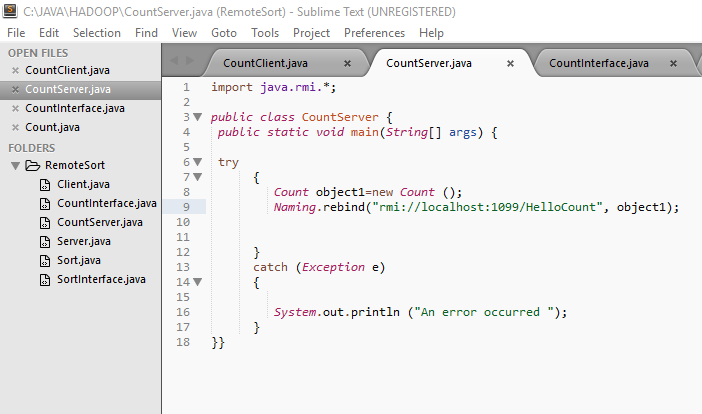
**OUTPUT:**

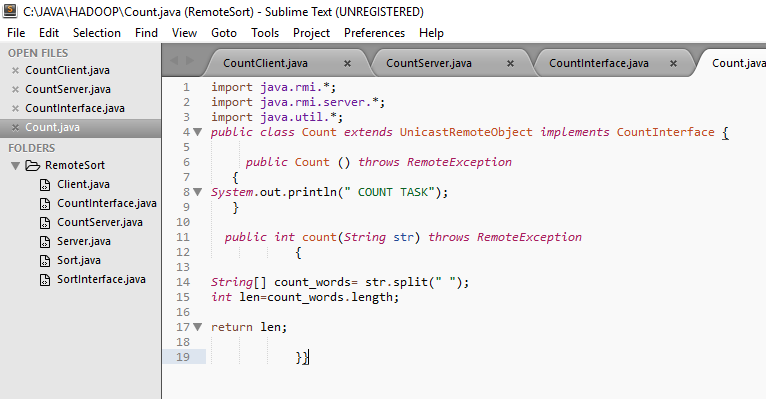


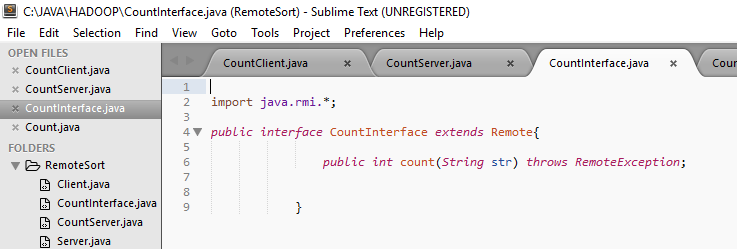


**(OPTIONAL TASK) Write an RMI program to implement the Map/Reduce concept of Hadoop on the server program. In other words the client program asks user to provide multiple sentences and send to server, server sends back the word counts.**

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**OUTPUT:**

