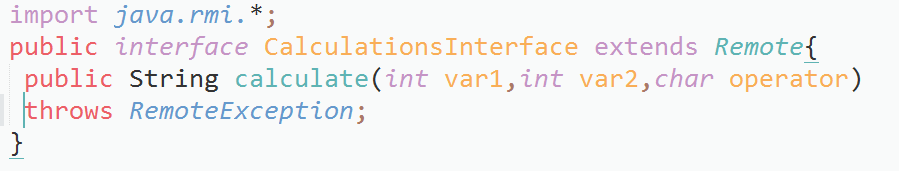
**Lab # 03**

**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 class**

****

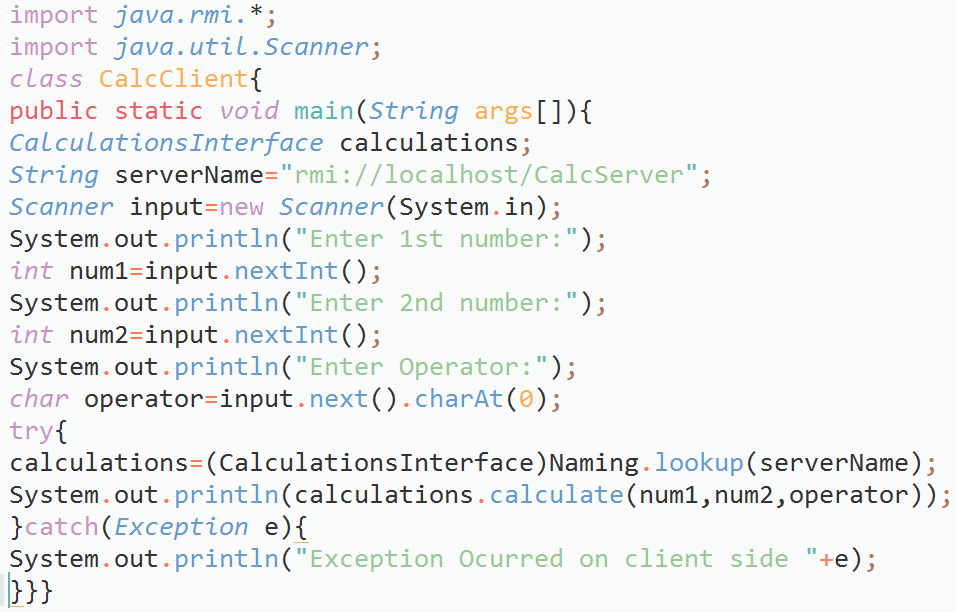
**Calculation class**

****

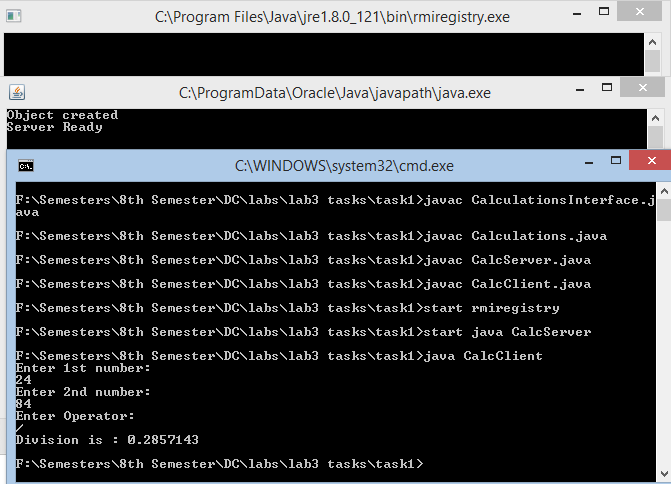
**Server Class**

****

**Client Class:**

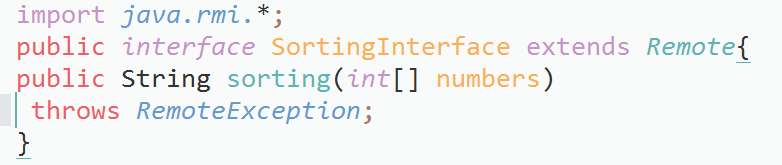
****

**Output:**

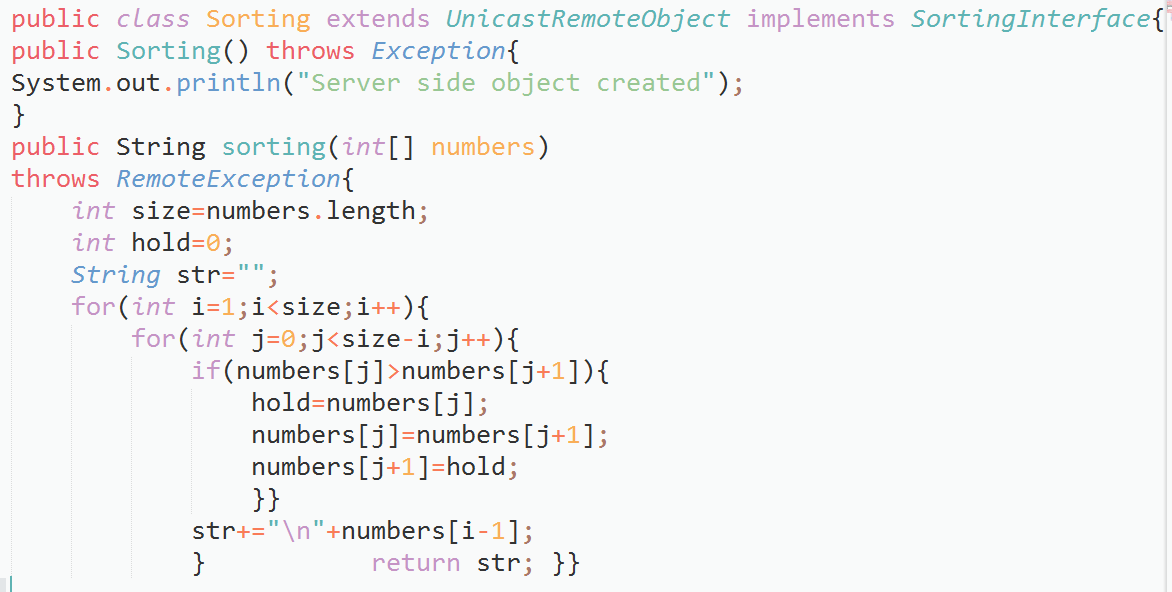
****

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

**Interface class:**

****

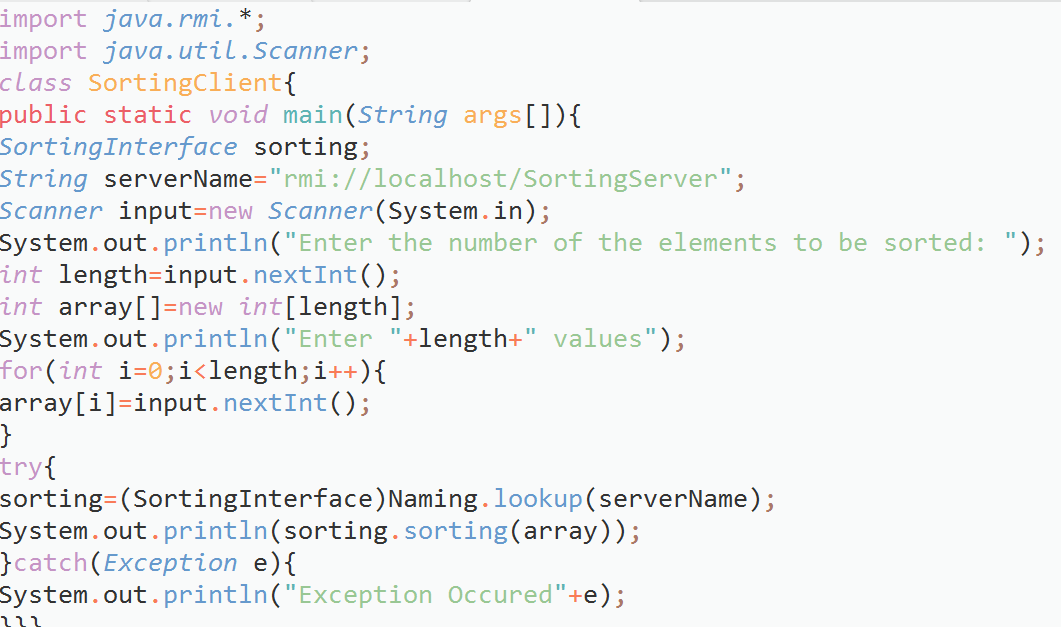
**Sorting class:**

****

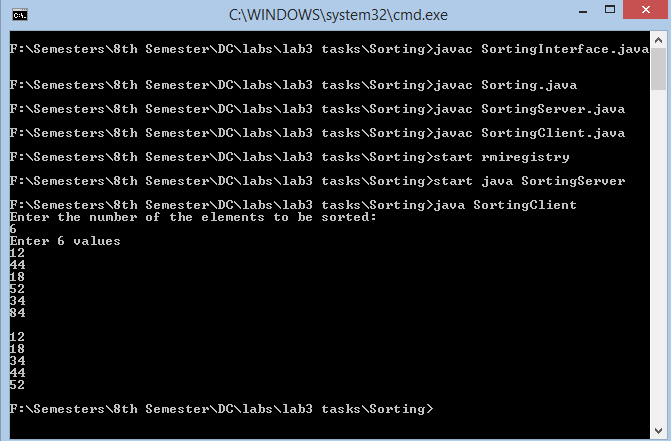
**Server class:**

****

**Client Class:**

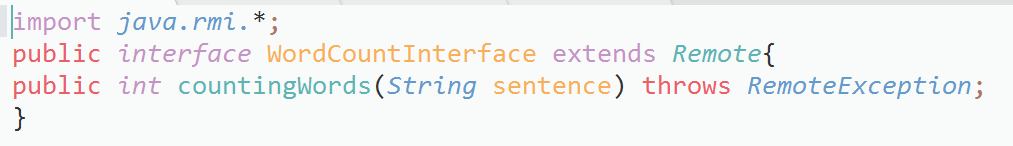
****

**Output:**

****

**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 class:**

****

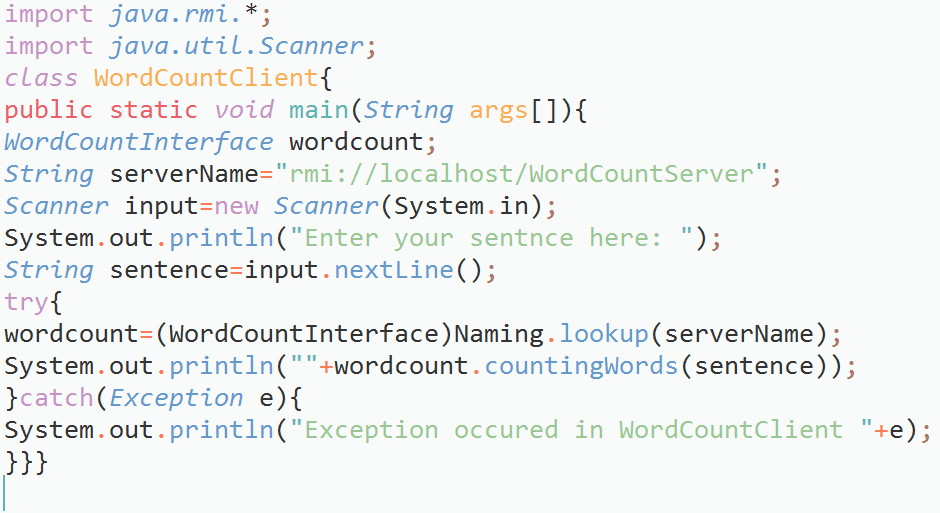
**Wordcount class:**

****

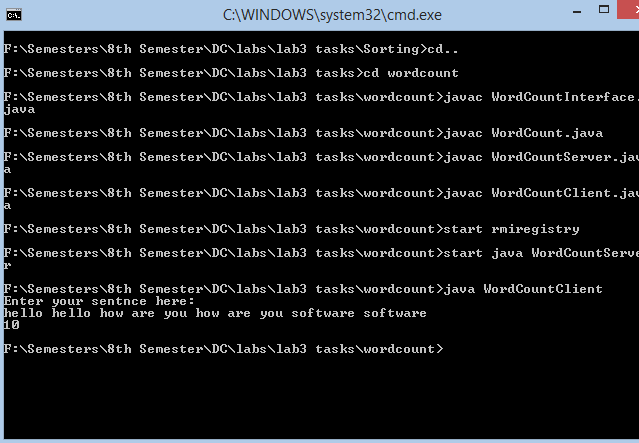
**Server class:**

****

**Client class:**

****

**Output:**

****