**Phase 1 Practice Project – Assisted Practice**

**2 . Write a program in java to find the fourth smallest element in an unsorted list.**

**Source Code:**

**package** slm2;

**import** java.util.Arrays;

**public** **class** FourthSmallestElement {

**public** **static** **void** main(String[] args) {

**int**[] unsortedList = {6,4,89,22,32,1,69};

**int** fourthSmallest = *findFourthSmallestElement*(unsortedList);

System.***out***.println("The fourth smallest element is: " + fourthSmallest);

}

**public** **static** **int** findFourthSmallestElement(**int**[] arr) {

**if** (arr.length < 4) {

System.***out***.println("The list doesn't have a fourth smallest element.");

**return** -1;

}

// Sort the array in ascending order

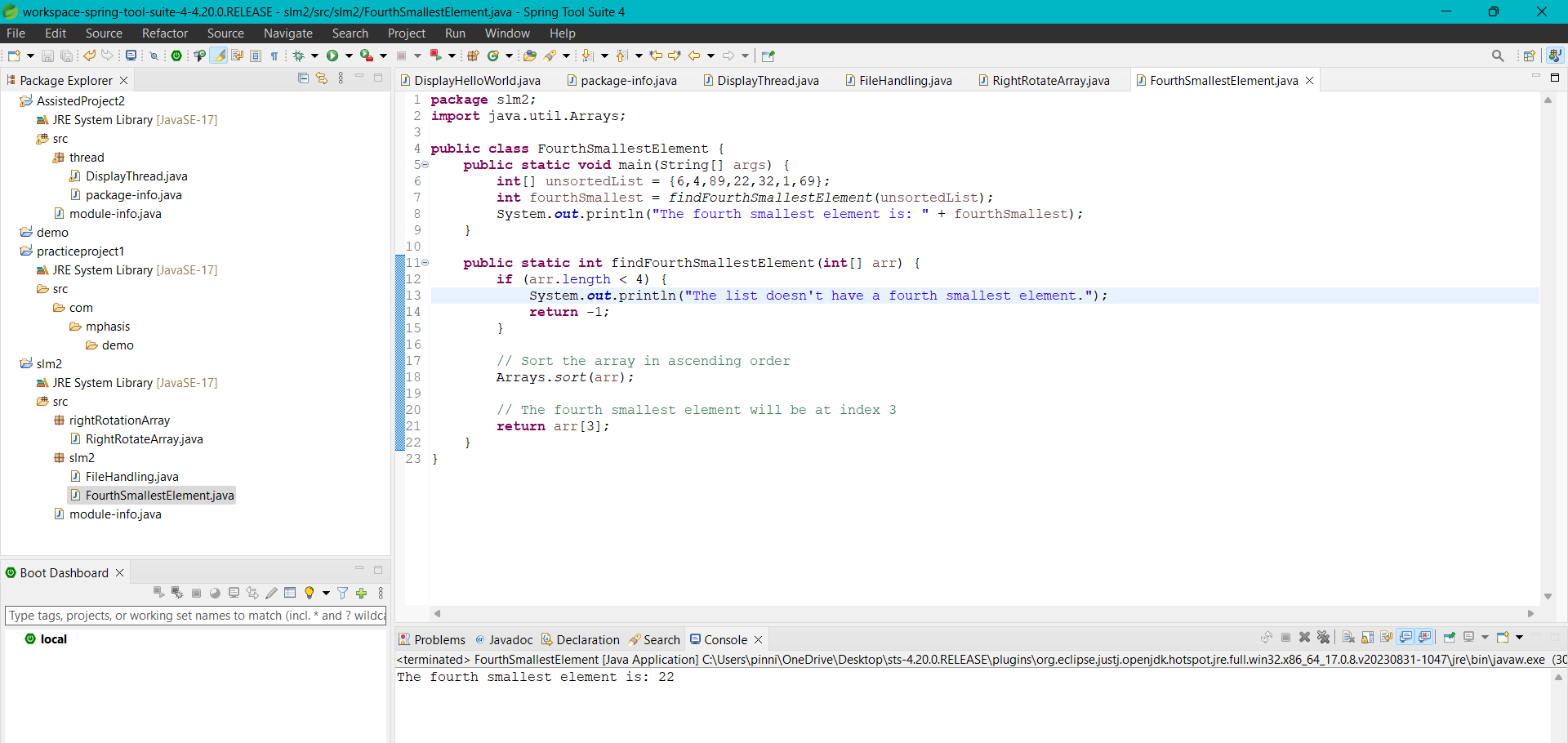
Arrays.*sort*(arr);

// The fourth smallest element will be at index 3

**return** arr[3];

}

}

**Output :**