bubble sort assignment

code

class Tester {

public static void sortArray(int arr[]) {

int n = arr.length;

for (int i = 0; i < n - 1; i++) {

for (int j = 0; j < n - i - 1; j++) {

if (arr[j] > arr[j + 1]) {

// Swap arr[j] and arr[j+1]

int temp = arr[j];

arr[j] = arr[j + 1];

arr[j + 1] = temp;

}

}

}

}

public static int findMaxSum(int arr[], int m) {

int n = arr.length;

if (m > n) {

return 0; // If m is greater than array size, return 0

}

int maxSum = 0;

for (int i = n - 1; i >= n - m; i--) {

maxSum += arr[i];

}

return maxSum;

}

public static int findMinSum(int arr[], int m) {

int n = arr.length;

if (m > n) {

return 0; // If m is greater than array size, return 0

}

int minSum = 0;

for (int i = 0; i < m; i++) {

minSum += arr[i];

}

return minSum;

}

public static void main(String[] args) {

int arr[] = { 64, 34, 25, 12, 22, 11, 90 };

sortArray(arr);

System.out.println("Maximum Sum for m=4: " + findMaxSum(arr, 4));

System.out.println("Minimum Sum for m=3: " + findMinSum(arr, 3));

}

}

