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**SUBJECT: JAVA PROGRAMMING**

**SECTION : MCA2C**

**Q1.Write a Java Program to sort an array, the elements of an array are provided by the user**.

**Code:**

**public class SortArray {**

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

**int [] arr = new int [] {12, 16, 10, 9,8,10,11,20,25,30};**

**int c = 0;**

**System.out.println("array element before sorting: ");**

**for (int i = 0; i < arr.length; i++) {**

**System.out.print(arr[i] + " ");**

**}**

**for (int i = 0; i < arr.length; i++) {**

**for (int j = i+1; j < arr.length; j++) {**

**if(arr[i] > arr[j]) {**

**c = arr[i];**

**arr[i] = arr[j];**

**arr[j] = c;**

**}**

**}**

**}**

**System.out.println();**

**//Displaying elements of array after sorting**

**System.out.println("sorted array element : ");**

**for (int i = 0; i < arr.length; i++) {**

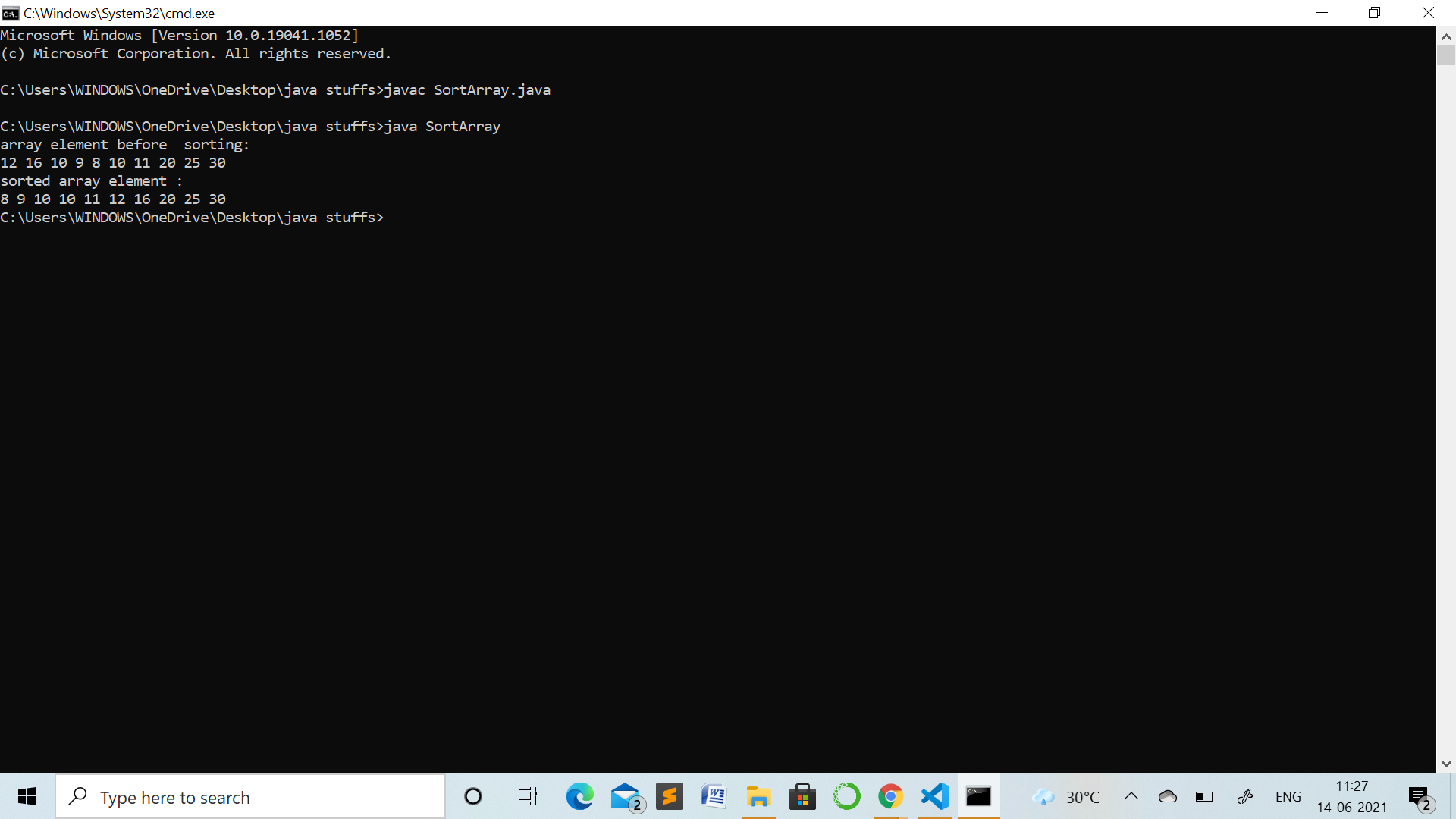
**System.out.print(arr[i] + " ");**

**}**

**}**

**}**

**Output:**

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