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SEC – C

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

```
import java.util.Arrays;

public class SortArray
{
    public static void main(String[] args)
    {

        int [] array = new int [] {80, 13, 5, 100, 13, 27, 56, 33};

        Arrays.sort(array); //invoking sort() method of the
        Arrays class

        System.out.println("Elements of array sorted in
        ascending order: ");
    }
}
```

```
for (int i = 0; i < array.length; i++)
```

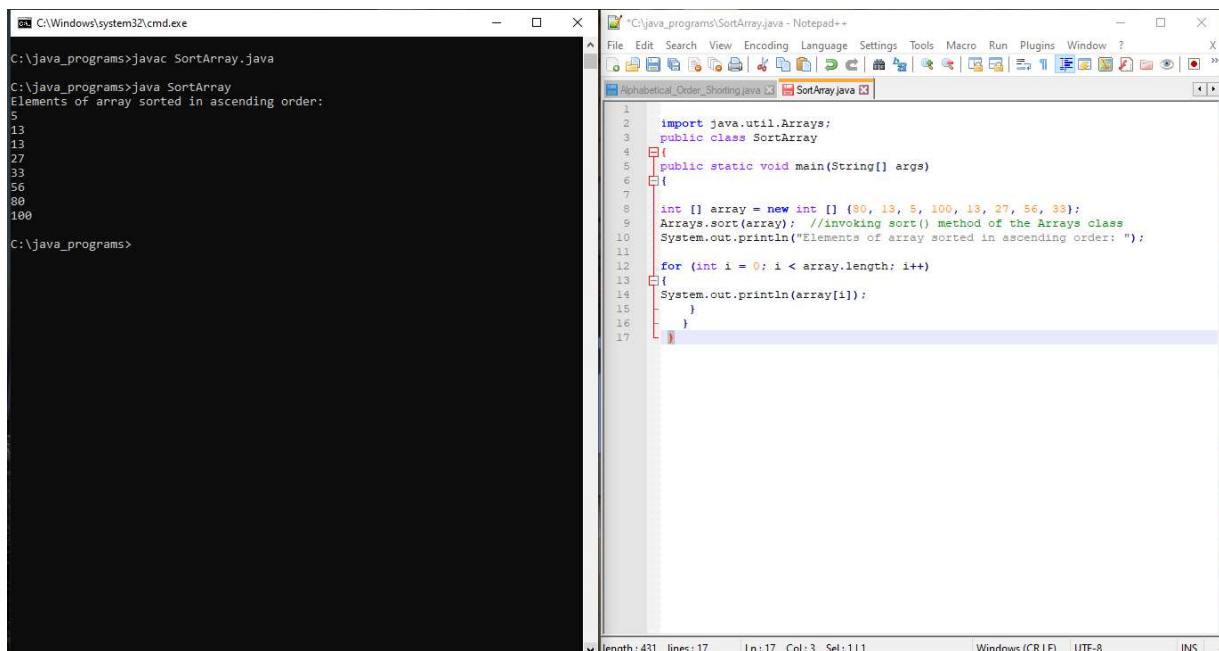
```
{
```

```
System.out.println(array[i]);
```

```
}
```

```
}
```

OUTPUT :



The screenshot displays two windows. The left window is a command prompt titled 'C:\Windows\system32\cmd.exe' showing the execution of a Java program. The commands entered are 'javac SortArray.java' and 'java SortArray'. The output shows the elements of an array sorted in ascending order: 5, 13, 13, 27, 33, 56, 80, and 100. The right window is a Notepad++ editor titled '*C:\java_programs\SortArray.java - Notepad++' showing the source code of the program. The code imports 'java.util.Arrays', defines a 'SortArray' class, and includes a 'main' method that creates an array, sorts it, and prints the elements in ascending order using a for loop.

```
C:\Windows\system32\cmd.exe
C:\java_programs>javac SortArray.java
C:\java_programs>java SortArray
Elements of array sorted in ascending order:
5
13
13
27
33
56
80
100
C:\java_programs>
```

```
*C:\java_programs\SortArray.java - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Alphabetical_Order_Sorting java SortArray.java
1  import java.util.Arrays;
2
3  public class SortArray
4  {
5      public static void main(String[] args)
6      {
7
8          int [] array = new int [] {80, 13, 5, 100, 13, 27, 56, 33};
9          Arrays.sort(array); //invoking sort() method of the Arrays class
10         System.out.println("Elements of array sorted in ascending order: ");
11
12         for (int i = 0; i < array.length; i++)
13         {
14             System.out.println(array[i]);
15         }
16     }
17 }
```

```
}
```