Experiment 5

Write Programs in Java to sort i) List of integers ii) List of names. The objective of this assignment is to learn Arrays and Strings in Java

```java
1   import java.util.Arrays;
2   import java.util.Scanner;
3
4   public class Integer{
5       public static void main(String[] args) {
6           Scanner sc = new Scanner(System.in);
7
8           System.out.print("Enter number of integers: ");
9           int n = sc.nextInt();
10          int[] arr = new int[n];
11
12          System.out.println("Enter the integers:");
13          for (int i = 0; i < n; i++) {
14              arr[i] = sc.nextInt();
15          }
16
17          Arrays.sort(arr); // Sorting the array
18
19          System.out.println("Sorted integers:");
20          for (int num : arr) {
21              System.out.print(num + " ");
22          }
23
24          sc.close();
25      }
26  }
27
28  Output:
29
30  Enter number of integers: 4
31  Enter the integers:
32  2
33  6
34  8
35  1
36  Sorted integers:
37  1 2 6 8
```