**The given code was compiled in IntelliJ IDEA.**

I first created a random array with 25 numbers and then added ‘-1’ at random positions. Then I first converted this random array to a complete tree (in array format). Then I used the heapify function to convert this complete tree to a heap. Then I applied the heap sort to the array and found the sorted array.

**NOTE:-** The first element in the array is the size of the array.

**To run the code from command line:-**

javac main.java

java main