**22215849 S Mbawa**

**Heap sort algorithm**

**Given**

3,10,11,43,7,26,13

1. 3,10,26,43,7,11,13
2. 3,43,26,10,7,11,13
3. 43,3,26,10,7,11,13
4. 13,3,26,10,7,11,43
5. 13,10,26,3,7,11,43
6. 26,10,13,3,7,11,43
7. 11,10,13,3,7,26,43
8. 13,10,11,3,7,26,43
9. 7,10,11,3,13,26,43
10. 11,10,7,3,13,26,43
11. 10,3,7,11,13,26,43
12. 7,3,10,11,13,26,43
13. 3,7,10,11,13,26,43