

SORTING ALGORITHMS

1) BUCKET SORT :

10MB FILE

```
Documents/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks$ cd "/home/jilani/D
ocuments/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks/lab11/" && g++ extra
.cpp -o extra && "/home/jilani/Documents/My Documents/Third semester all documents/Data Structures and Algorithms/ds
a lab tasks/lab11/"extra
Bucket Sort....
Before Sorting :1703189975
After Sorting :1703189982
jilani@ubuntu:~/Documents/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks/Lab
11$
```

2) MERGE SORT :

10MB FILE

```
Merge Sort....
Before Sorting :1703191293
After Sorting :1703191300
jilani@ubuntu:~/Documents/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks/Lab
11$
```

3) COUNTING SORT :

10MB FILE

```
Counting Sort....
Before Sorting :1703192307
After Sorting :1703192308
jilani@ubuntu:~/Documents/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks/Lab
11$
```

4) HEAP SORT :

100MB FILE

```
Heap Sort....
Before Sorting :1703193435
After Sorting :1703193439
jilani@ubuntu:~/Documents/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks/Lab
11$
```

5) BUBBLE SORT :

100KB FILE

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Code - DSA (lab11) + - [] ... ^ x
Bubble Sort....
Before Sorting :1703224624
After Sorting :1703224673
jilani@ubuntu:~/Documents/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks/DSA
(lab11)$
```

6) INSERTION SORT :

10MB FILE

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Code - DSA (lab11) + - [ ] ... ^ x

Insertion Sort....
Before Sorting :1703224981
After Sorting :1703224982
jilani@ubuntu:~/Documents/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks/DSA
(lab11)$
```

7) SELECTION SORT :

100KB FILE

```
Selection Sort....
Before Sorting :1703225505
After Sorting :1703225526
jilani@ubuntu:~/Documents/My Documents/Third semester all documents/Data Structures and Algorithms/dsa lab tasks/DSA
(lab11)$
```