

Lab 6. Non-Comparison Sorting – Bucket Sort

Implement BucketSort in Java and use the test cases to verify your algorithm

- In your ***BucketSort*** class, you should have a ***bucketSort*** function. Users can call ***bucketSort*** function to sort an array of integer in an increasing order.

Test Case 1:

31	33	27	15	42	11	40	5	19	21
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Test Case 2:

98	34	100	36	44	64	3	99	59
20	88	55	91	14	58	25	29	44
66	62	4	65	49	71	71	24	12
14	3	58	23	12	66	11	45	36
55	64	35	24	85	73	33	85	46
94	76	23	36	57	26	8	92	17
85	68	52	34	53	93	4	37	34
70	9	15	42	31	16	72	61	62
11	38	34	21	81	9	45	68	11
20	83	27	6	69	26	5	31	8
74	97	11	60	1	68	14	27	46

Submission:

One Single File named *QuickSort.java*