

184101R - Mid Semester Examination

Q - 01)

i) Get a multiplication of a selected value with considered value

ii) 5,7

4,7

3,7

2,7

1,7

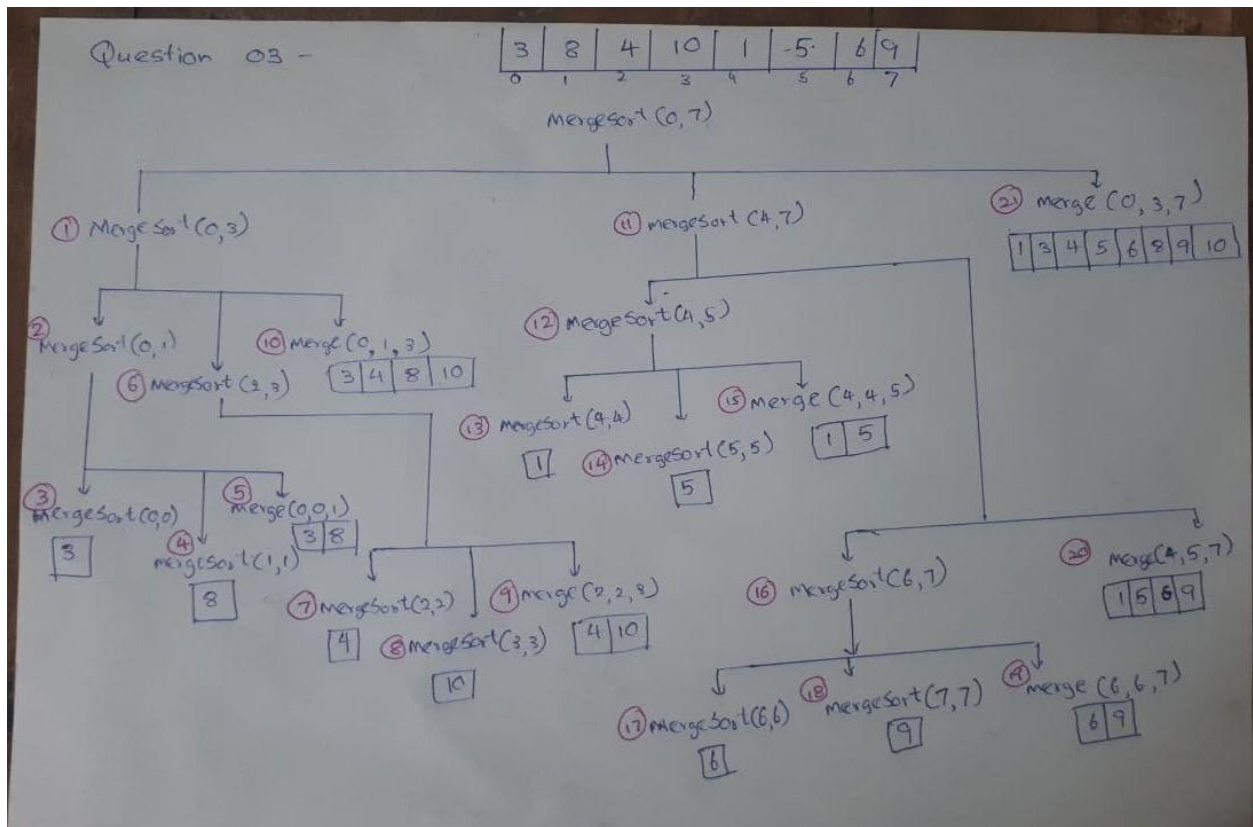
iii) 5000

iv) 7

Q - 02)

- Merge Sort
- Merge sort is a divide and conquer algorithm. In Figure Q3-2 first half is sorted. But not merged. It shows the divide and conquering clearly. So it shows the merge sort algorithm

Q - 03)



Q - 04)

i) [3]

ii) [5]

iii)

Index	Key	Next
[0]	10	[6]
[1]	N/A	N/A
[2]	87	[8]
[3]	9	NULL
[4]	31	[3]
[5]	10	[7]
[6]	8	[5]
[7]	999	[2]
[8]	90	[4]

