Task - 8

1) Apply Merge sort on following data to solve them in ascending order. :-   25, 15, 35, 20, 30, 5, 10

→ *

| 25 | 15 | 35 | 20 | 30 | 5 | 10 |

| 25 | 15 | 35 | | 20 | 30 | 5 | 10 |

| 25 | | 15 | 35 | | 20 | 30 | | 5 | 10 |

| 25 | | 15 | | 35 | | 20 | | 30 | | 5 | | 10 |

| 25 | | 15 | 35 | | 20 | 30 | | 5 | 10 |

| 15 | 25 | 35 | | 5 | 10 | 20 | 30 |

| 5 | 10 | 15 | 20 | 25 | 30 | 35 |

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2) Apply Radix Sort on Following data to sort them in ascending order :- 25, 15, 35, 20, 30, 5, 10.

→

* 25, 15, 35, 20, 30, 05, 10

30
20
10

0	1	2	3	4

05
35
15
25

5	6	7	8	9

= 10, 20, 30, 25, 15, 35, 05.

	15	25	35
05	10	20	30

0	1	2	3	4

5	6	7	8	9

= 5, 10, 15, 20, 25, 30, 35