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Sec: D

— X —

Ans: to Q: NO: 01

~~1. start~~

1. head = (node*) malloc (sizeof (node))

2. head → data = 0

3. head → next = NULL

4. temp1 → (node*) malloc (size of (node))

5. temp1 → data = 1

6. temp1 → next = NULL

7. head → next = temp1

8. temp2 → (node*) malloc (sizeof (node))

9. temp2 → data = 1

10. temp2 → next = NULL

11. temp1 → next = temp2

12. $\text{temp3} = (\text{node}^*) \text{ malloc} (\text{size of} (\text{node}))$

13. $\text{temp3} \rightarrow \text{data} = 4$

14. $\text{temp3} \rightarrow \text{next} = \text{NULL}$

15. $\text{temp2} \rightarrow \text{next} = \text{temp3}$

16. $\text{temp4} = (\text{node}^*) \text{ malloc} (\text{size of} (\text{node}))$

17. $\text{temp4} \rightarrow \text{data} = 9$

18. $\text{temp4} \rightarrow \text{next} = \text{NULL}$

19. $\text{temp3} \rightarrow \text{next} = \text{temp4}$

20. $\text{temp5} = (\text{node}^*) \text{ malloc} (\text{size of} (\text{node}))$

21. $\text{temp5} \rightarrow \text{data} = 1$

22. $\text{temp5} \rightarrow \text{next} = \text{NULL}$

23. $\text{temp4} \rightarrow \text{next} = \text{temp5}$

24. $\text{temp6} \rightarrow \text{data} = 2$ $(\text{node}^*) \text{ malloc} (\text{size of} (\text{node}))$

25. $\text{temp6} \rightarrow \text{data} = 2$

26. $\text{temp6} \rightarrow \text{next} = \text{NULL}$

27. temp5 \rightarrow next = temp6
28. temp7 = (node*) malloc (sizeof (node))
29. temp7 \rightarrow data = 0
30. temp7 \rightarrow next = NULL
31. temp6 \rightarrow next = temp7
32. temp8 = (node*) malloc (size of (node))
33. temp8 \rightarrow data = 6
34. temp8 \rightarrow next = NULL
35. temp7 \rightarrow next = temp8

0 \rightarrow 1 \rightarrow 1 \rightarrow 1 \rightarrow 0 \rightarrow 1 \rightarrow 2 \rightarrow 0 \rightarrow 4 \rightarrow NULL

(Ans:)

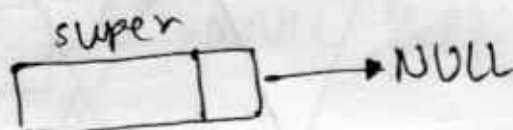
Ans to Q: NO: 02

~~x = 4~~ x = 4

super = (node*) malloc (size of (node));

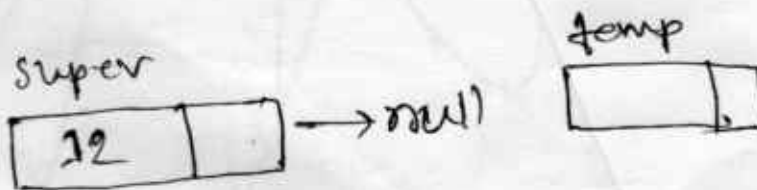


super → next = NULL;

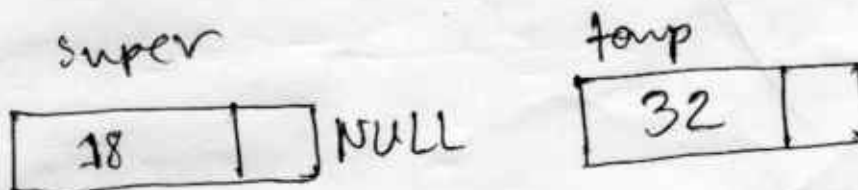


super → data = 12;

temp = (node*) malloc (sizeof (node));



temp → data = super → data + 2 * 5

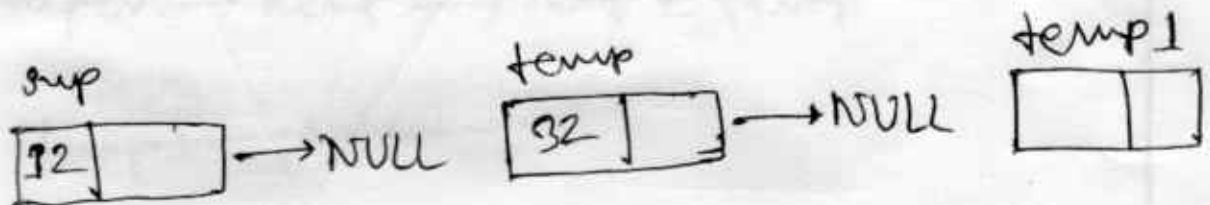


~~temp1 = (node*) malloc~~

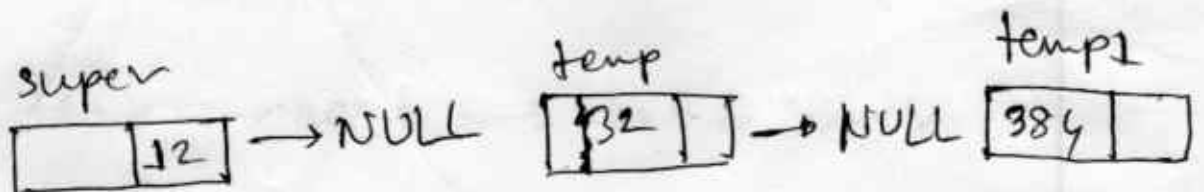
temp → next = NULL



temp1 = (node*) malloc (size of (node));

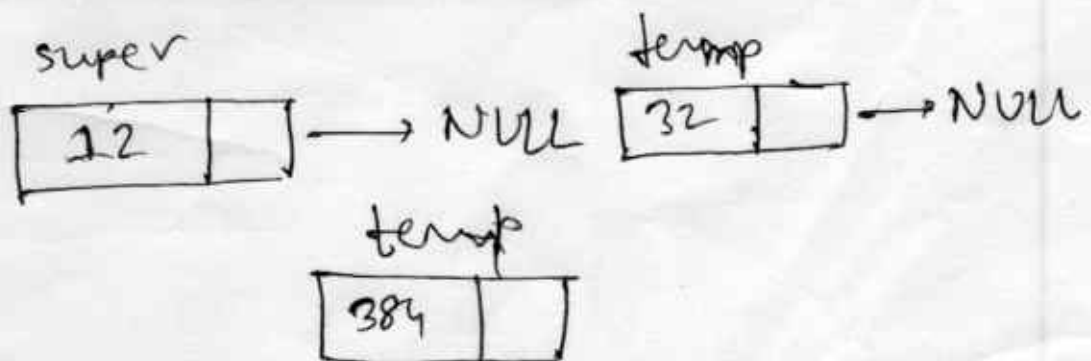


temp1 → data = super → data * temp → data;



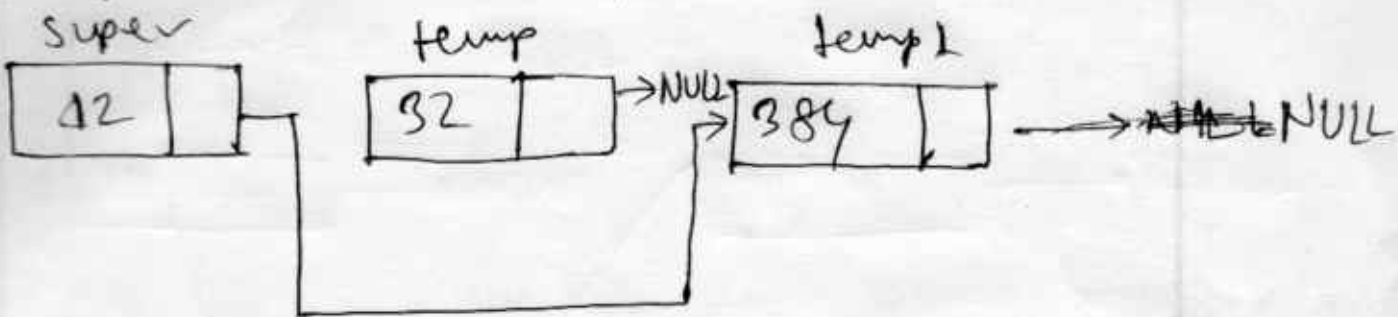
~~super → next =~~

temp1 → next = NULL



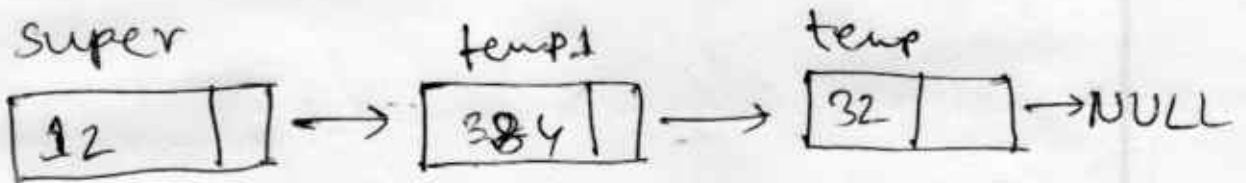
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super \rightarrow next = temp1



super \rightarrow next \rightarrow next = temp

~~temp1~~ \rightarrow ~~next~~ \rightarrow



temp \rightarrow next \rightarrow next = super

