ADDING TWO NUMBERS

We are given the heads of two linked lists which each represent a number. Our job is to add the two numbers and return a new linked list.

Ans: [4,2,7,8]

Solution is very similar to adding I to a linked list. The head of each linked list represent's that numbers unit place. This approach is called as dummy Node approach.

int carry = 0; while (t1 ! = rullptu ! t2 ! = rullptu) { int sum = carry;

```
if (ta | = nullptr) &

sum + = ta -) data ;
    Node * new Node = new Node (sum > 10);
     carry = sum (10 ;
     cum -) next = new Node :
     com = com - next, ;
    if (t2 ) = nullptin)
        t1 = t1 → next
if (carry 1 = 0) {
Node* new Node = new Node (carry);
curr -> next = new Node;
return dN-next ;
```