k Reverse in linked List Hume ek list given hai aur sett me (K) ki value, bhi given hai! Hum (k) ki value ke loop me reverse kona hai! Time lomplenety: Linear, Space Complexity: Constant  $1 \rightarrow 2 \rightarrow 3, \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow 7 \rightarrow 8 \rightarrow 9 \rightarrow 10 \rightarrow 11 \rightarrow \text{null}$  $3 \rightarrow 2 \rightarrow 1 \rightarrow 6 \rightarrow 5 \rightarrow 4 \rightarrow 9 \rightarrow 7 \rightarrow 10 \rightarrow 11 \rightarrow rull$ Hum ek puvious aur ek current naam ki list lagengy! P = 20000001 NULL  $c = 3 \rightarrow 2 \rightarrow 1 = p$ = K baar, removeFirst from given linkedlist and addfirst · · p = 3 -> 2 -> 1) c=96 -> 5 -> 4 1 = p to current list! = prev = current p=3→2→6→6→5→4) current = new] C= 69 - 8 - 7\* = P Aab previous me phile se kuch hai, toh P=3-2-1->6->5->4->9->8->1 [prev.next = curs head] | prev. fail = cur. tail c=>10->10 = P prev ka size bada dengy P=3-2-1-6-5-34-39-8-37-10-11 Agar koi bhi group (k) C= new with ways Ke egnal ya (k) se bada rahi hua toh , hum remore First and addlast Aabjo previous me pada hai vo humara desired ont put hai!

```
public void kreverse (int K) {
Linkedlist prev= mull;
 while (this size >0) {
  linkedlist ourr = new Linkedlis+();
    if (this size >= K) q
       fag(int i=0; i< K; i++) {
          int val = this getfioust ();
          this removeFirst ();
           curre addfirst (val);
      Jelse &
         ind SZ = this size;
           for (int i=0; i<sz; i++){
              int val = this get First ();
              this remove first ();
              curs addlast (val);
      if (prev == null) {
        pyev = curry
      3 else f
         prev. fail next = curr. head;
         prev. takt = airr. fail;
         previsize += currisize;
       this head = prevhead;
      this tail = perev. tail;
      flis. size = prev. size;
```