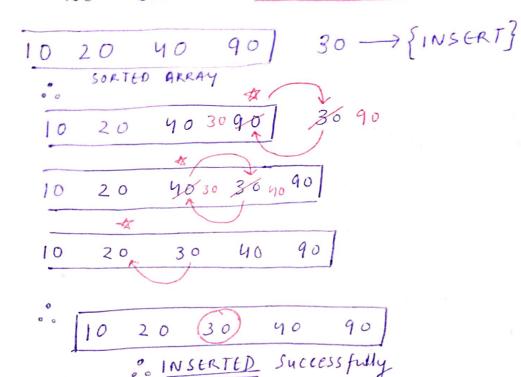


```
INSERTION SORT me REVERSE BUBBLINH Technique use
  hati hai!
 public static void mair (String [] args) ?
 Scanner s= new Scanner (System.in);
int n = s.nextInt();
  int [] are = new int [n];
 for (int i=o; i < arr.length; i++) {
      arr[i]= s. nextInt();
for (int i=1; i <= arr.length-1; i++) n-1 +ak journey hogil
  for (int j = i-1; j>=0; j--)] compare hongey!
        if (arrEj] > arrEj+1]) ] > Agar (j+1) wala element
            int temp = arrij]; se toh swappinh Hogi!
            arr [j] = arr [j+1];
            arr [jt] = temp;
                  break; Jend me break lagega!
for (int val: arr) {
  System. ont. print (ved + ");
 System out print In (".");
```

if we want to add element in our Sorted array then, we will use REVERSE BUBBLING technique.



Time complexity:
We used (2) loops. WORST CASE? I numbers are sorted in reverse order.

... For each (n-1) iteration order.

$$\frac{1+2+3+...nswaps}{a...nswaps}$$

$$\frac{u(n+1)}{2}$$

$$\frac{worst CASE}{ase}; O(n^2)$$
Best Case; O(n)

Slace lomp lenity