

Insertion Soxt: Workflow:Worst-case Example:[4,3,2,1]

3 4 3 ₹ 1

34 21

२ ३ 4 ।

[1234] Linally we got Sorted Arrayooo

too woost case outer loop to suntarna hain-1 Baar Aur har loop K Ander

j wala element April Sani location Per pahuchega and firjta Value Shift hoga...

fox 1=1 4 3 2 1 j if (arr[i] < arr[i-i]) -> SWAP And shift s 3 4 21 if(arr[i] < arr[i-1]) → SWAP

j And,... for i=2 And . Shift J 3241 if(arr[i] < arr[i-1]) -> SWAP

j And
Shift And . Shiff J 2 34 | if(arr[i] < arr[i-1]) → SWAP

in Ard Shift i the clement have correctly reached its place ooo २ 34 🛘 If (axx[j] < axx[j-1]) → SWAP And Shift J 1+(axx[j]< axx[j-1])→ SWAP And Shiff J If (axr[j] < axr[j-1]) → SWAP And Shift Made with Goodnotes

I 2 3 4 | | | (arr[i] < arr[i-1]) -> SWAP

And
Shift i

And here's how the code of insertion

Sort Should work Correctly Also here is

the code Snippet...

```
for(int i=1;i<n;i++){
  int j=i;
  while(j>=1 && arr[j]<arr[j-1]){
    int temp = arr[j];
    arr[j] = arr[j-1];
    arr[j-1] = temp;
    j--;
  }
}
for(int i=0;i<n;i++){
  cout<<arr[i]<<" ";</pre>
```

The loop work's on the principle of insertion Soft...