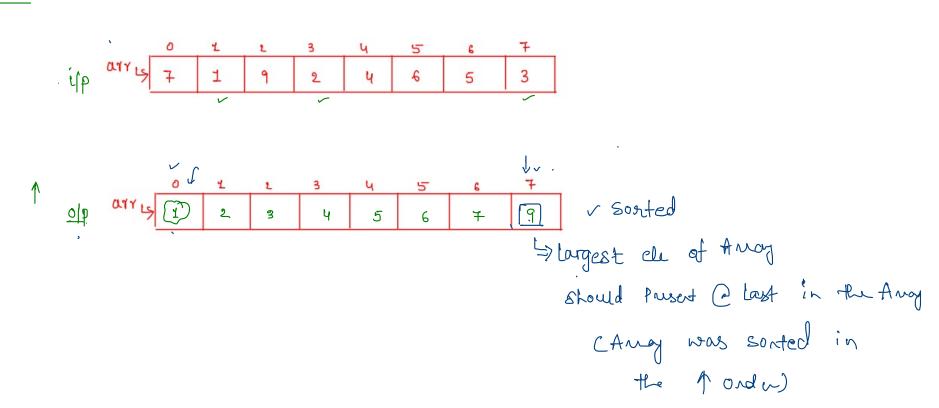
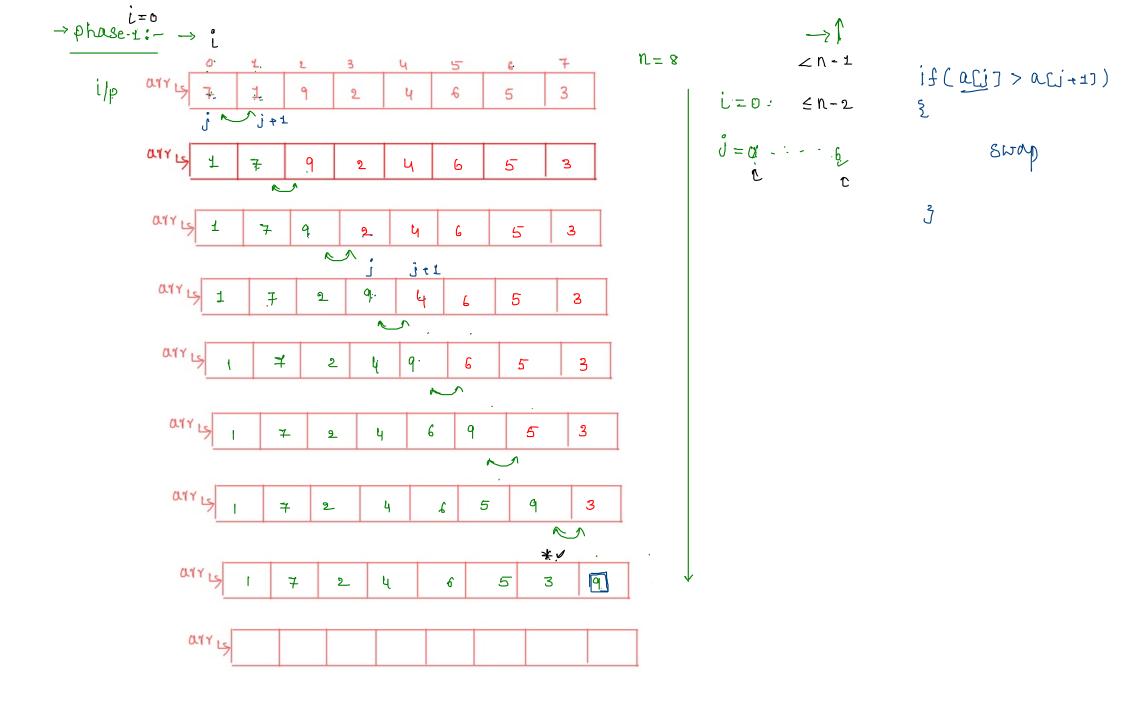
Sprint-4 [Day-1]

Sorting Techniques

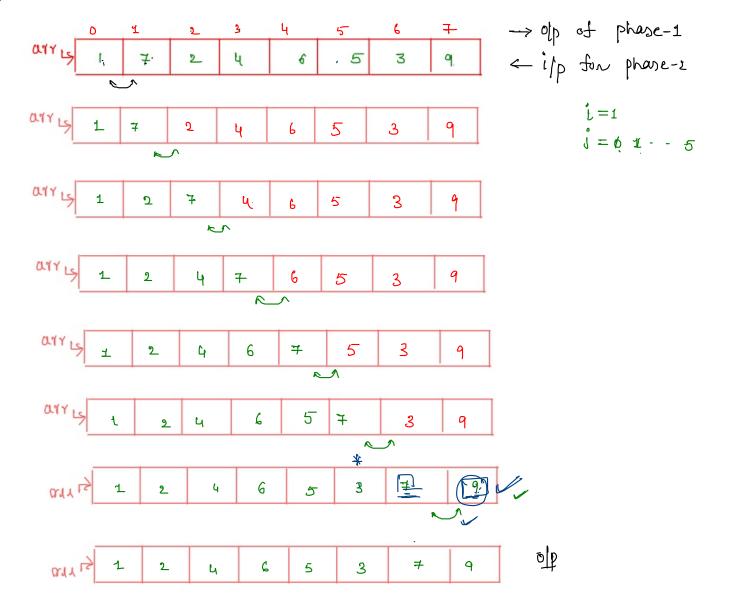
$$\rightarrow$$
 phase's (1,2,3--)

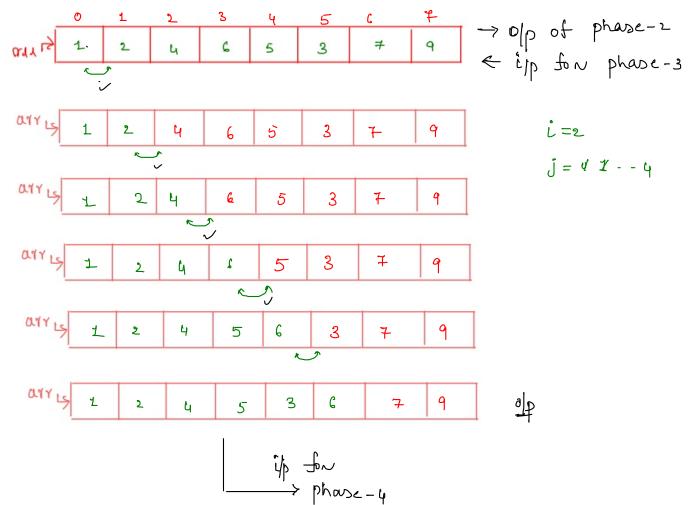
✓1. Bubble Sort

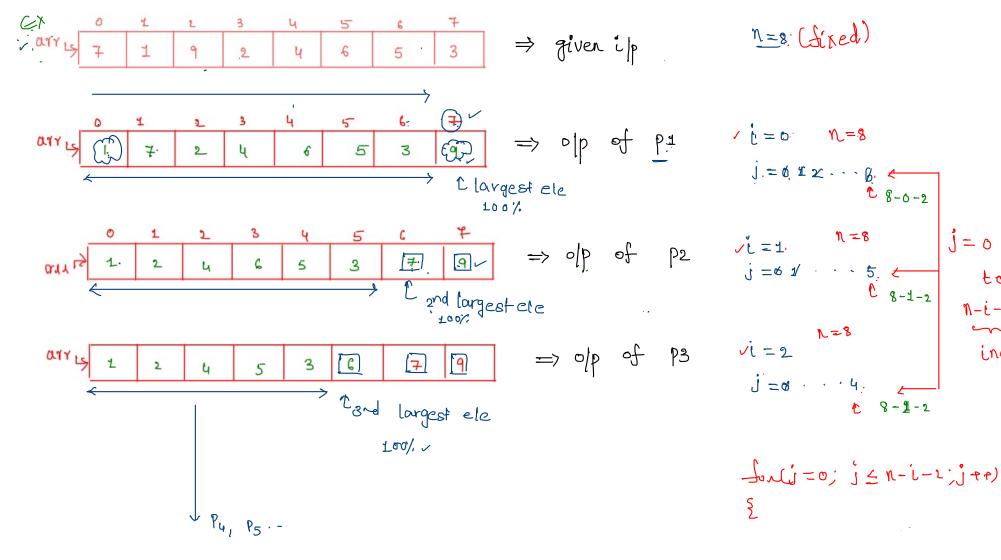




i=1 Phase-2:-

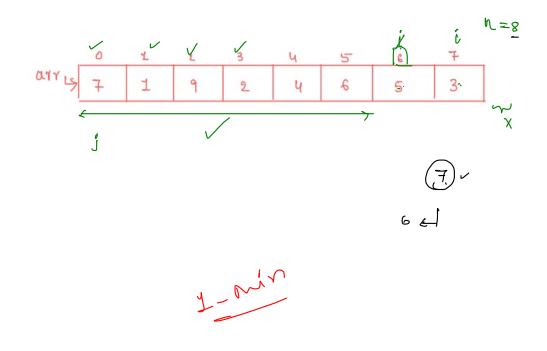






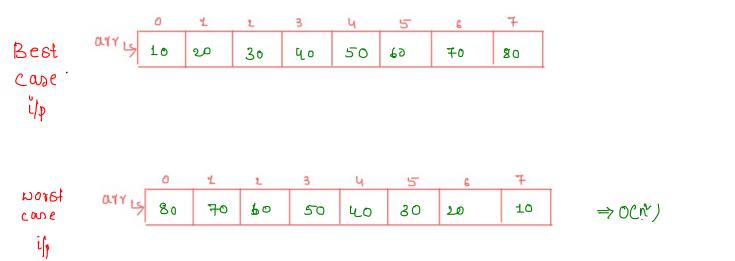
j = 0

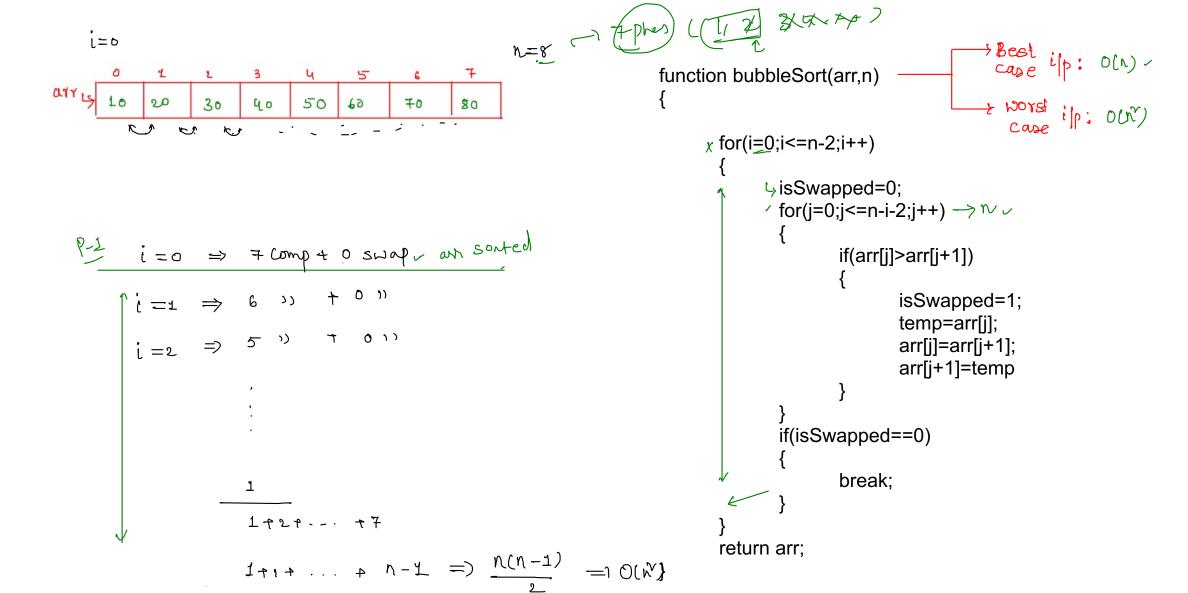
including



```
function bubbleSort(arr,n)
        for(\underline{i}=0;i\leq n-2;i++) \Rightarrow \uparrow
                 for(j=0;j<=n-i-2;j++)
                                              ⇒ n
                         if(arr[j]>arr[j+1])
                                  temp=arr[j];
                                  arr[j]=arr[j+1];
                                  arr[j+1]=temp
        return arr;
```

1 order





Uz

BS

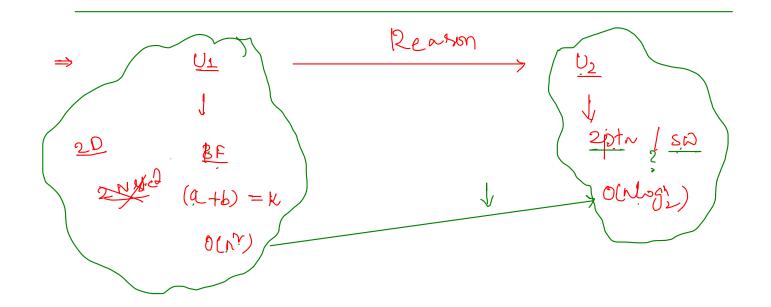
Ly Ochr)

2pl

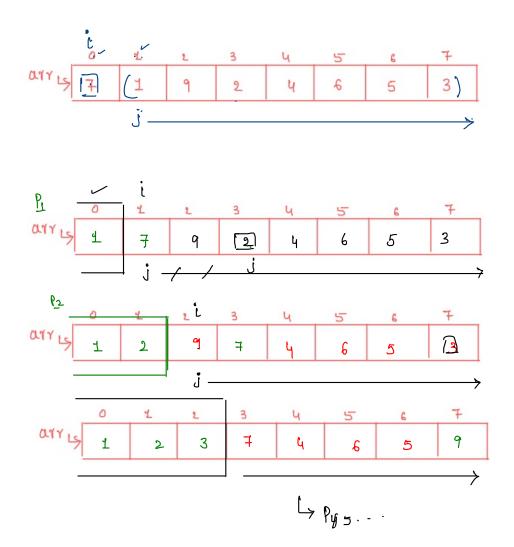
Menge-ynt

aun.sonte) => O(nlogh)

auich.sont



2) Selection sort



```
function minElement(arr,n)
{
    let res=arr[0]
    for(let i=1;i<n;i++)
    {
        if(arr[i]<res)
        {
            res=arr[i]
        }
        return res
}
```