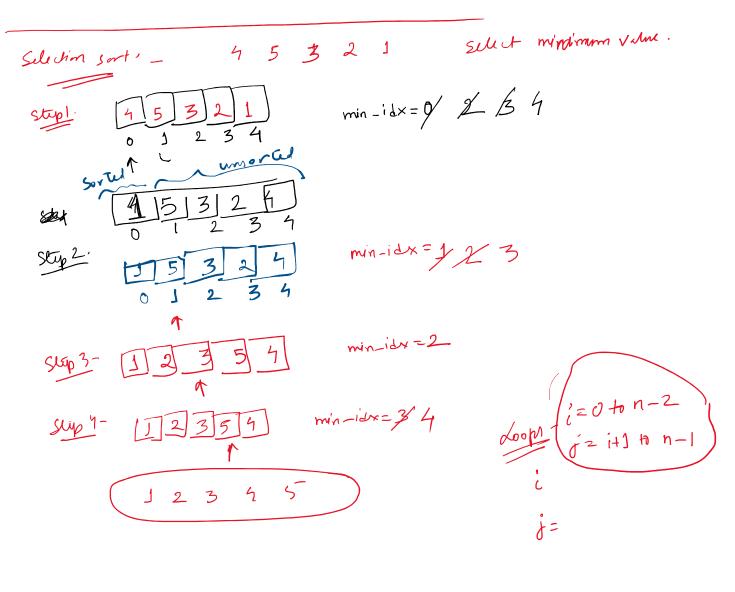


```
Pm1 45321
\int_{J=1}^{2} avn(0) \langle avn(1) \rangle \langle avn(2) \rangle \langle avn(1) \rangle \langle avn(2) \rangle \langle avn(3) \rangle \langle
```

```
pan(3) 3 2 1 4 5 pan(1) 2 3 4 5 pan(1) 2 3 4 5 pan(1) pan(1) 1 2 3 4 5 pan(1) pan(1) 1 2 3 4 5 pan(1) pan(1)
```

```
1st 100p ( Owler 600p) --- pass --> 1 to N-1
2nd loop (Inna loop) - j -> 0 to n-1-pass
```

```
static void bubbleSort(int arr[], int
n){
                                         1) time In time
        int pass, j, temp;
        for(pass=1;pass<=n-1;pass++){</pre>
                                            -- (n-1-pas+1) = (n-pas) time
            for(j= 0;j<=n-1-pass;j++){ __</pre>
                if(arr[j]>arr[j+1]){
                    //swapping
                    temp= arr[j];
                    arr[j]= arr[j+1];
                                               nx 1 = 0 (n2)
                    arr[j+1]= temp;
                }
            }
        }
```



Involvin Sort