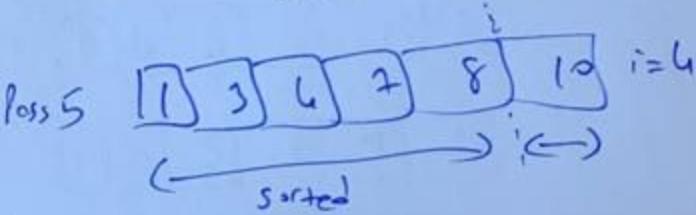
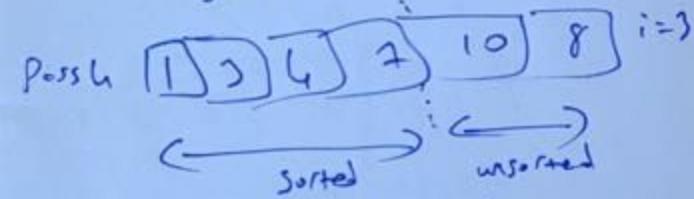
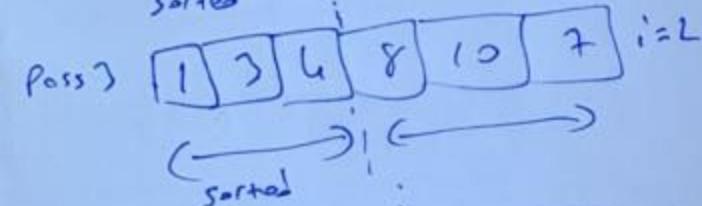
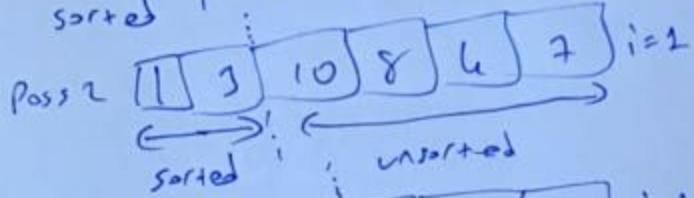
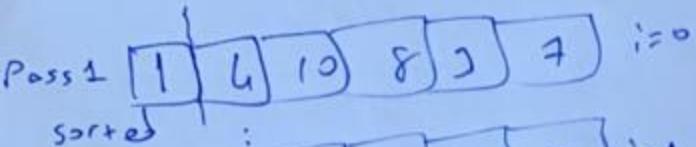
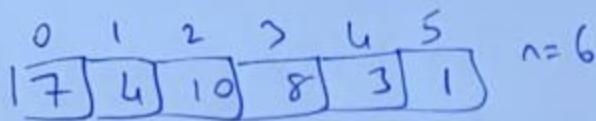


- Selection Sort -



Outer loop for passes,
Inner loop for min element and swapping.

```
for(i=0; i < n-1; i++)  
{     int min=i;  
    for(j=i+1; j < n; j++)  
    { if(a[j] < a[min])  
        { min=j; } }  
    }  
    if(min!=i)  
    { swap(a[i], a[min]); } }
```

}

for i=0, min $\boxed{1} \neq 5$

$j = \cancel{1} \cancel{2} \cancel{3} \cancel{4} \cancel{5}$

$a[1] < a[0]$

$a[2] < a[1]$

$a[3] < a[1]$

$a[4] < a[1]$

$a[5] < a[1]$

swap($a[0], a[5]$)