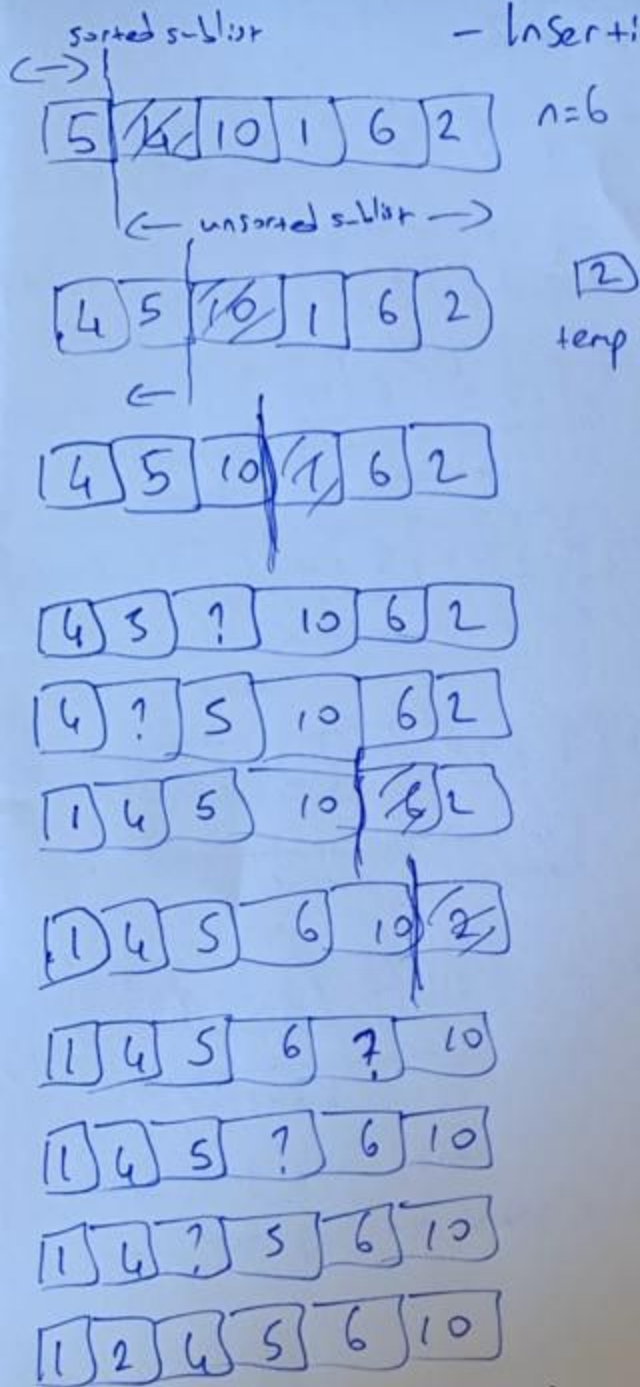


- Insertion Sort -



Outer loop for (1-S index)
 Inner loop for decrement

```
for(i=1; i<n; i++)
{
    temp = a[i];
    j = i-1;
    while(j>=0 && a[j]>temp)
    {
        a[j+1] = a[j];
        j--;
    }
    a[j+1] = temp;
}
```

for value 10;

i=2 temp 10

j = 2-1 = 1

j[1] > temp

~~5 > 10~~

a[2] = 10

no change.

for value 2;

i=5 temp 2

j = 5-1 = 4

a[5] = a[4]

a[4] = a[3]

a[3] = a[2]

a[2] = a[1]

a[1] = 2