```
BubbleSort
                                         (j=0; j< n; j++)
    art]=12,6,8,3,45; n=5 si=n-1=4/bo(j=0; j<n-1,5+1)
 O public void 800+ (Int anz], int n)}
                                        2 6 8 3 4 ×
    for (in+ i=0; i<n; i+n) { =0 } 5=01
                                         12041
                                          26384-
    ( for 1 in+ i=0; ixn-1; i++) }
       16(ants) > arr[3+1]) {
        int temp = arrzj];
       am[j] = am[j+1];
       arr [j+1] = temp:
                                          Ascending
2) method-2
      foo(jn+i=0; i<n-1; i++){
      fort int j=0; j<n-1-1;j3++){~
                                     as conding or dor
        18(am[j]>am[j+1]){
                                      Martill Amtivilly
       int temp = amtij;
       arrij] = arrij+1];
                                       1180me logic
       arr[j+1] = temp;
                                     Descending order
```

method=3

for (int j=0; $j\times n-1$; $j\times n-1$)?

for (int j=1+1; $j\times n$; $j\times n-1$)? f(anti] > antij? f(antij) = antij; antij = antij; antij = bemp; s

1=0 + 234 3=+2

today covered topic

D Bubble Sort

to morrow topic

2) Insertion Sort

O(n²) -> wonet cose

O(n) -> best cose

O(n?) -> average cose

O(n) -> average cose

O(s) aunillary -> wonst case space

complexity.