Selection Soul -> Find min -> place it at the convect position.

[7,4,2,3,-2]

n=5 -> again, n-1 iterations

i -> Place for which suitable cardidak (min)
is being found

1 -> Traverse the away and tony to find
the minimum

m -> Curent best minimum 36 feet

1. i d que so does j denotes a beta minimum than m?

Yes

1.2 7 4 2 3 - 2

W/m

1.3 7 4 2 3 - 2

m

1.4 7 4 2 3 - 2

m

1.5 does j denotes a beta minimum than m?

1.6 sorm will change it's position and come to j

Settle ment =2 4

one element is now souted.

Swap elements
at i and m

2.) 2.1) -2 4 2 3 7

$$(2.2)$$
 $-\frac{1}{2}$ (4) (2) (3) (7)

Code

```
import java.io.*;
import java.util.*;
public class Solution {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        int[] arr = new int[n];
        for(int i = 0; i < n; i ++) arr[i] = scn.nextInt();</pre>
        selectionSort(arr, n);
    }
    public static void selectionSort(int[] arr, int n) {
        for(int i = 0; i < n - 1; i + +) {
            int m = i;
            for(int j = i + 1; j < n; j ++) {
                if(arr[j] < arr[m]) m = j;
            }
            swap(arr, i, m);
        for(int i = 0; i < n; i ++) System.out.print(arr[i] + " ");</pre>
    }
    public static void swap(int[] arr, int a, int b) {
        int temp = arr[a];
        arr[a] = arr[b];
        arr[b] = temp;
    }
}
```

Insertion Sout -> Pick a number -> teny to insert it into the Boundary.

1 1.) I 4 2 3 -2

There, we will assume that first no denotes a so reted away and will true to insert all other nos in.

2.1 47 2 3 -2

3.
$$3.1)$$
 2 4 7 3 -2 $3.2)$ 2 4 3 7 -2 3.3 2 3 4 7 -2 3 4 7 -2