

main.c

```
1 #include <stdio.h>
2 void SelSort(int array[],int n);
3 int main()
4 {
5     int array[100], n,i;
6     printf("Enter number of elements \n");
7     scanf("%d", &n);
8     printf("Enter Numbers");
9     for(i = 0; i < n; i++)
10    scanf("%d", &array[i]);
11    SelSort(array,n);
12    return 0;
13 }
14 void SelSort(int array[], int n)
15 {
16     int i, j, position, swap;
17     for(i = 0; i < (n - 1); i++)
18     {
19         position=i;
20         for(j = i + 1; j < n; j++)
21         {
22             if(array[position]>array[j])
23                 position=j;
24         }
25         if(position != i)
26         {
27             swap=array[i];
28             array[i]=array[position];
29             array[position]=swap;
```

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13 }
14 void SelSort(int array[], int n)
15 {
16     int i, j, position, swap;
17     for(i = 0; i < (n - 1); i++)
18     {
19         position=i;
20         for(j = i + 1; j < n; j++)  I
21         {
22             if(array[position]>array[j])
23                 position=j;
24         }
25         if(position != i)
26         {
27             swap=array[i];
28             array[i]=array[position];
29             array[position]=swap;
30         }
31     }
32     printf("Sorted Array:\n");
33     for(i = 0; i < n; i++)
34     printf("\n %d ", array[i]);
35 }
```

Console

Shell

```
↳ clang-7 -pthread -lm -o main main.c
```

```
↳ ./main
```

```
Enter number of elements
```

```
3
```

```
Enter Numbers12
```

```
35
```

```
23
```

```
Sorted Array:
```

```
12
```

```
23
```

```
35
```

```
↳ █
```