```c
main.c
1    #include<stdio.h>
2    #include <stdlib.h>
3    #include<time.h>
4
5    int main(){
6      int last,arr[5000];
7      clock_t end,start;
8    printf("Enter the Size of array  :");
9    scanf("%d",&last);
10   srand(time(NULL));
11   for(int i=0;i<last;i++){
12     arr[i]=rand()%100;
13     printf("%d\t",arr[i]);
14   }printf("\n");
15   start=clock();
16   for(int i=0;i<last-1;i++){
17     int j=i+1;
18     for(;j<last;j++){
19       if(arr[j]<arr[i]){
20         arr[i]+=arr[j];
21         arr[j]=arr[i]-arr[j];
22         arr[i]=arr[i]-arr[j];
23       }
24     }
25
26   }end=clock();
27   printf("Time in sec %f\n",(((double)(end-start))/CLOCKS_PER_SEC));
28   for(int i=0;i<last;i++){
29     printf("%d\t",arr[i]);
30   }
31 }
```

Console　　　Shell

```
> clang-7 -pthread -lm -o main main.c
> ./main
Enter the Size of array  :6
57  7   97  89  27  82
Time in sec 0.000006
7   27  57  82  89  97  >
```

Console   Shell

```
> clang-7 -pthread -lm -o main main.c                    Q ×
> ./main
Enter the Size of array  :7
22  62  49  19  35  35  77
Time in sec 0.000007
19  22  35  35  49  62  77  > █
```

Console   Shell

```
> clang-7 -pthread -lm -o main main.c                    Q  ×
> ./main
Enter the Size of array  :8
62  10  58  73  54  28  4   56
Time in sec 0.000003
4   10  28  54  56  58  62  73 > ▮
```