```
#include<stdio.h>
 1
    #include<time.h>
 R
    void sort(int a[],int n);
 4
    int main()
 5., {
 6
        clock t t;
        int na
        printf("\nEnter the Number Of Elements Of The Array\n");
 8
3
        scanf("%d",&n);
10
        int a[n];
        printf("Enter the elements of the array\n");
11
        for(int i=0; i<n; i++)
17
            scanf("%d",&a[i]);
13
14
        t=clock();
        sori(a,n):
15
        i=slock()=i;
16
        double time_taken=((double)t)/CLOCKS PER SEC;
21 ---
        12
T.
       printf("Final Sorted Order Is\n");
98
91
        for(int i=0; i < n; i++)
22
           orintf("%d\t",a(i);=
45
```

```
printf("Final Sorted Order Is\n");
20
        for(int i=0;i<n;i++)
21
22 ,
           printf("%d\t",a[i]);
23
94
25
26 }
27 void sort(int a[],int n)
28,,{
DG
       int vois
for(int i=1;i<=n-1;i++)
:.x=a[1];
            1=1-1;
while(j>=0 && a[j]>v)
74
                a[ 141]=a[ 1] ;
EFFINEY;
```

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

Enter the Number Of Elements Of The Array

Briter the elements of the array

Time Taken =0.000002

Final Sorted Order Is

2 4 7 🚦