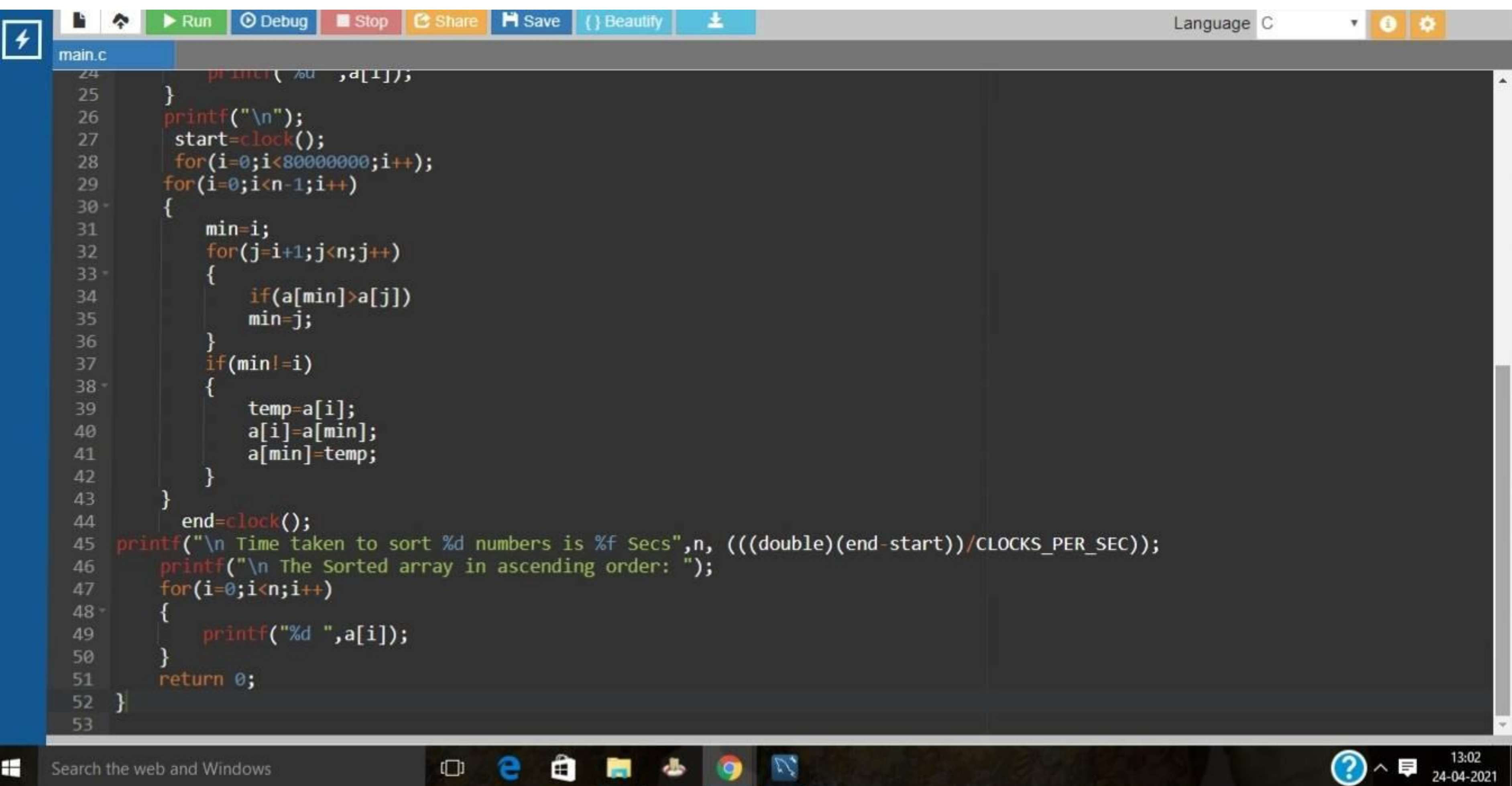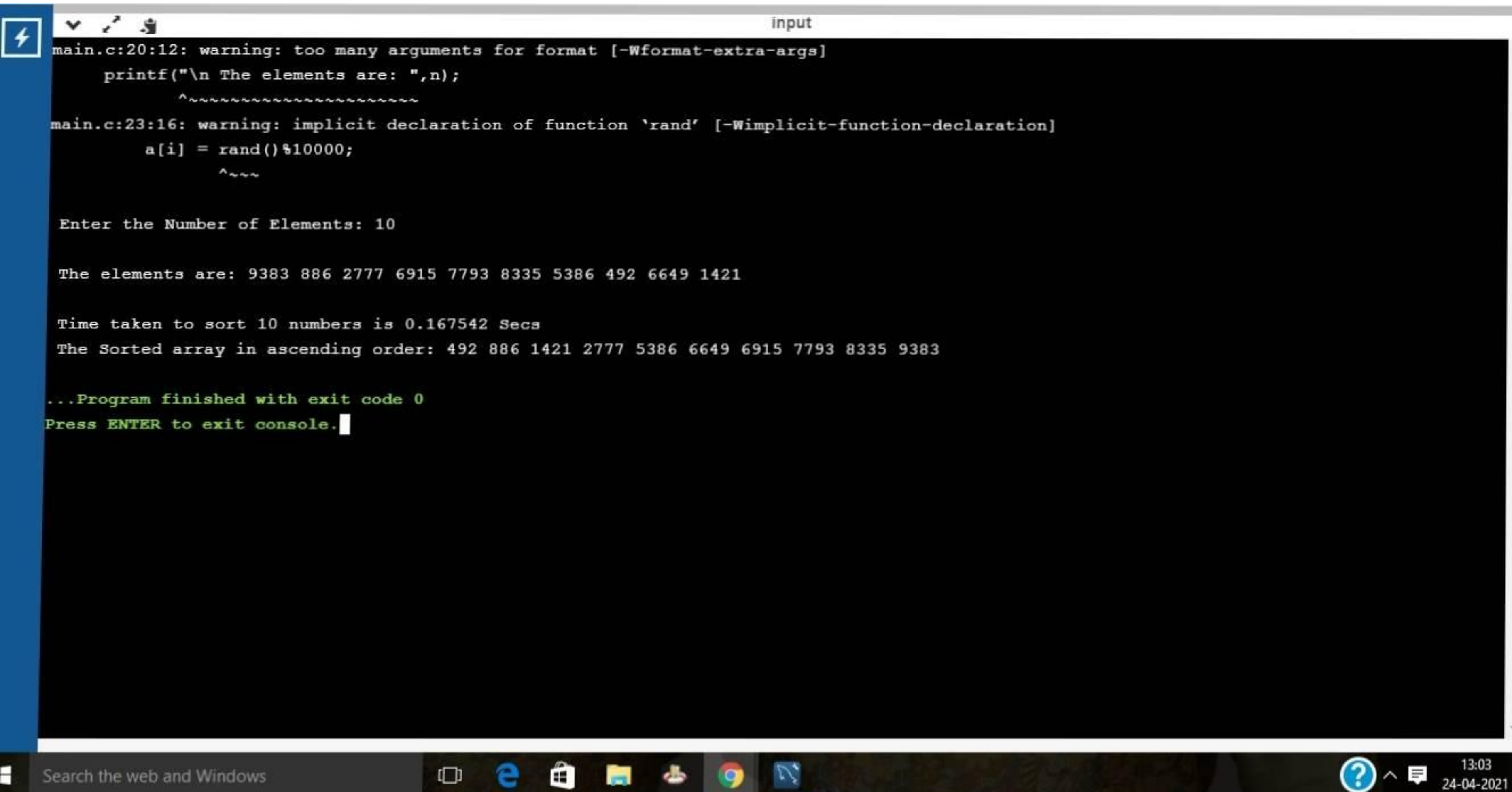```c
#include<stdio.h>
#include<time.h>

int main()
{
    int a[100],n,i,j,min,temp;
    clock_t start, end;

    printf("\n Enter the Number of Elements: ");
    scanf("%d",&n);

    printf("\n The elements are: ",n);
    for(i=0;i<n;i++)
    {
        a[i] = rand()%10000;
        printf("%d ",a[i]);
    }
    printf("\n");
    start=clock();
    for(i=0;i<80000000;i++);
    for(i=0;i<n-1;i++)
    {
        min=i;
        for(j=i+1;j<n;j++)
        {
            if(a[min]>a[j])
            min=j;
        }
        if(min!=i)
```

```c
24         printf("%d  ",a[i]);
25     }
26     printf("\n");
27      start=clock();
28      for(i=0;i<80000000;i++);
29     for(i=0;i<n-1;i++)
30     {
31         min=i;
32         for(j=i+1;j<n;j++)
33         {
34             if(a[min]>a[j])
35             min=j;
36         }
37         if(min!=i)
38         {
39             temp=a[i];
40             a[i]=a[min];
41             a[min]=temp;
42         }
43     }
44      end=clock();
45 printf("\n Time taken to sort %d numbers is %f Secs",n, (((double)(end-start))/CLOCKS_PER_SEC));
46     printf("\n The Sorted array in ascending order: ");
47     for(i=0;i<n;i++)
48     {
49         printf("%d ",a[i]);
50     }
51     return 0;
52 }
53
```

```
main.c:20:12: warning: too many arguments for format [-Wformat-extra-args]
     printf("\n The elements are: ",n);
            ^~~~~~~~~~~~~~~~~~~~~~~
main.c:23:16: warning: implicit declaration of function 'rand' [-Wimplicit-function-declaration]
         a[i] = rand()%10000;
                ^~~~

 Enter the Number of Elements: 10

 The elements are: 9383 886 2777 6915 7793 8335 5386 492 6649 1421

 Time taken to sort 10 numbers is 0.167542 Secs
 The Sorted array in ascending order: 492 886 1421 2777 5386 6649 6915 7793 8335 9383

...Program finished with exit code 0
Press ENTER to exit console.
```