SELECTION SORT

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`<global>`   `main() : int`

```c
 1    #include <stdio.h>
 2
 3    void swap(int *xp, int *yp)
 4    {
 5        int temp = *xp;
 6        *xp = *yp;
 7        *yp = temp;
 8    }
 9
10    void selectionSort(int arr[], int n)
11    {
12        int i, j, min_idx;
13
14        for (i = 0; i < n-1; i++)
15        {
16            min_idx = i;
17            for (j = i+1; j < n; j++)
18              if (arr[j] < arr[min_idx])
19                min_idx = j;
20
21
```
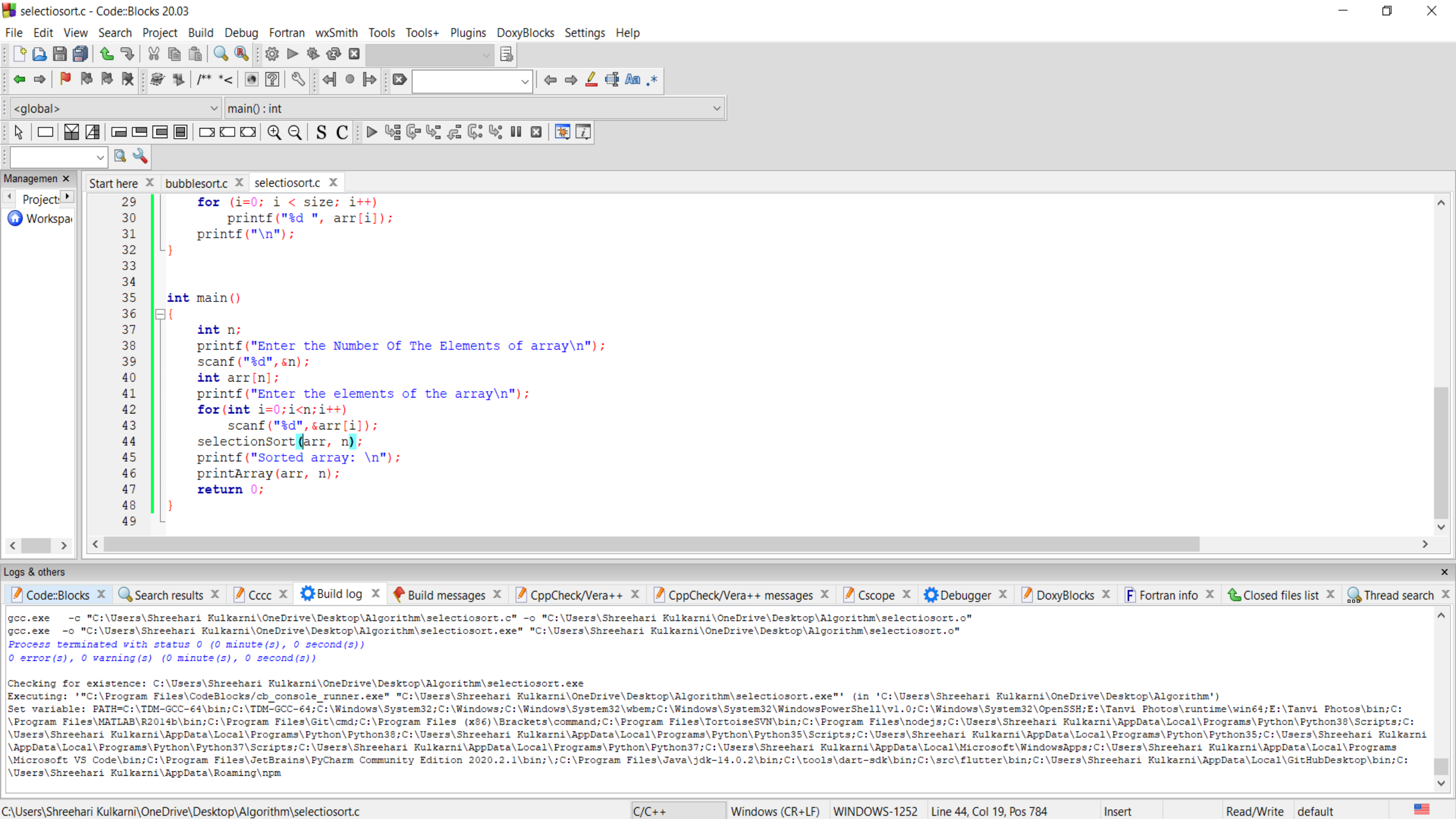
Start here   bubblesort.c   selectiosort.c

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`<global>` `main() : int`

Start here | bubblesort.c | selectiosort.c

```c
              min_idx = j;


          swap(&arr[min_idx], &arr[i]);
      }
  }

  void printArray(int arr[], int size)
  {
      int i;
      for (i=0; i < size; i++)
          printf("%d ", arr[i]);
      printf("\n");
  }


  int main()
  {
      int n;
      printf("Enter the Number Of The Elements of array\n");
      scanf("%d",&n);
      int arr[n];
```

Logs & others

Code::Blocks | Search results | Cccc | Build log | Build messages | CppCheck/Vera++ | CppCheck/Vera++ messages | Cscope | Debugger | DoxyBlocks | Fortran info | Closed files list | Thread search

```
gcc.exe   -c "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.c" -o "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.o"
gcc.exe   -o "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe" "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.o"
Process terminated with status 0 (0 minute(s), 0 second(s))
0 error(s), 0 warning(s) (0 minute(s), 0 second(s))

Checking for existence: C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe
Executing: '"C:\Program Files\CodeBlocks/cb_console_runner.exe" "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe"' (in 'C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm'
Set variable: PATH=C:\TDM-GCC-64\bin;C:\TDM-GCC-64;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;E:\Tanvi Photos\runtime\win64;E:\Tanvi Photos\bin;C:\Program Files\MATLAB\R2014b\bin;C:\Program Files\Git\cmd;C:\Program Files (x86)\Brackets\command;C:\Program Files\TortoiseSVN\bin;C:\Program Files\nodejs;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python38\Scripts;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python38;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python35\Scripts;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python35;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python37\Scripts;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python37;C:\Users\Shreehari Kulkarni\AppData\Local\Microsoft\WindowsApps;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Microsoft VS Code\bin;C:\Program Files\JetBrains\PyCharm Community Edition 2020.2.1\bin;\;C:\Program Files\Java\jdk-14.0.2\bin;C:\tools\dart-sdk\bin;C:\src\flutter\bin;C:\Users\Shreehari Kulkarni\AppData\Local\GitHubDesktop\bin;C:\Users\Shreehari Kulkarni\AppData\Roaming\npm
```

C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.c | C/C++ | Windows (CR+LF) | WINDOWS-1252 | Line 44, Col 19, Pos 784 | Insert | Read/Write | default

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`<global>` | `main() : int`

Start here | bubblesort.c | selectiosort.c

```c
29          for (i=0; i < size; i++)
30              printf("%d ", arr[i]);
31          printf("\n");
32      }
33
34
35      int main()
36      {
37          int n;
38          printf("Enter the Number Of The Elements of array\n");
39          scanf("%d",&n);
40          int arr[n];
41          printf("Enter the elements of the array\n");
42          for(int i=0;i<n;i++)
43              scanf("%d",&arr[i]);
44          selectionSort(arr, n);
45          printf("Sorted array: \n");
46          printArray(arr, n);
47          return 0;
48      }
49
```

Logs & others

Code::Blocks | Search results | Cccc | Build log | Build messages | CppCheck/Vera++ | CppCheck/Vera++ messages | Cscope | Debugger | DoxyBlocks | Fortran info | Closed files list | Thread search

```
gcc.exe   -c "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.c" -o "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.o"
gcc.exe   -o "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe" "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.o"
Process terminated with status 0 (0 minute(s), 0 second(s))
0 error(s), 0 warning(s) (0 minute(s), 0 second(s))

Checking for existence: C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe
Executing: '"C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe"' (in 'C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm')
Set variable: PATH=C:\TDM-GCC-64\bin;C:\TDM-GCC-64;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;E:\Tanvi Photos\runtime\win64;E:\Tanvi Photos\bin;C:\Program Files\MATLAB\R2014b\bin;C:\Program Files\Git\cmd;C:\Program Files (x86)\Brackets\command;C:\Program Files\TortoiseSVN\bin;C:\Program Files\nodejs;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python38;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python38\Scripts;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python35\Scripts;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python35;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python37\Scripts;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python37;C:\Users\Shreehari Kulkarni\AppData\Local\Microsoft\WindowsApps;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Microsoft VS Code\bin;C:\Program Files\JetBrains\PyCharm Community Edition 2020.2.1\bin;\;C:\Program Files\Java\jdk-14.0.2\bin;C:\tools\dart-sdk\bin;C:\src\flutter\bin;C:\Users\Shreehari Kulkarni\AppData\Local\GitHubDesktop\bin;C:\Users\Shreehari Kulkarni\AppData\Roaming\npm
```

C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.c | C/C++ | Windows (CR+LF) | WINDOWS-1252 | Line 44, Col 19, Pos 784 | Insert | Read/Write | default

```
Enter the Number Of The Elements of array
5
Enter the elements of the array
1
4
0
6
8
Sorted array:
0 1 4 6 8

Process returned 0 (0x0)   execution time : 12.485 s
Press any key to continue.
```
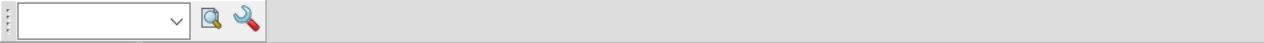
Bubble Sort

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<global>

Start here   bubblesort.c   selectiosort.c

```c
22      void printArray(int arr[], int size)
23      {
24          int i;
25          for (i=0; i < size; i++)
26              printf("%d ", arr[i]);
27          printf("\n");
28      }
29
30
31      int main()
32      {
33          int n;
34          printf("Enter the Number Of The Elements of array\n");
35          scanf("%d",&n);
36          int arr[n];
37          printf("Enter the elements of the array\n");
38          for(int i=0;i<n;i++)
39              scanf("%d",&arr[i]);
40          bubbleSort(arr, n);
41          printf("Sorted array: \n");
42          printArray(arr, n);
```

Logs & others

Code::Blocks   Search results   Cccc   Build log   Build messages   CppCheck/Vera++   CppCheck/Vera++ messages   Cscope   Debugger   DoxyBlocks   Fortran info   Closed files list   Thread search

```
gcc.exe  -c "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.c" -o "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.o"
gcc.exe  -o "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe" "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.o"
Process terminated with status 0 (0 minute(s), 0 second(s))
0 error(s), 0 warning(s) (0 minute(s), 0 second(s))

Checking for existence: C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe
Executing: '"C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\selectiosort.exe"' (in 'C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm')
Set variable: PATH=C:\TDM-GCC-64\bin;C:\TDM-GCC-64;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;E:\Tanvi Photos\runtime\win64;E:\Tanvi Photos\bin;C:
\Program Files\MATLAB\R2014b\bin;C:\Program Files\Git\cmd;C:\Program Files (x86)\Brackets\command;C:\Program Files\TortoiseSVN\bin;C:\Program Files\nodejs;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python38\Scripts;C:
\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python38;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python35\Scripts;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python35;C:\Users\Shreehari Kulkarni
\AppData\Local\Programs\Python\Python37\Scripts;C:\Users\Shreehari Kulkarni\AppData\Local\Programs\Python\Python37;C:\Users\Shreehari Kulkarni\AppData\Local\Microsoft\WindowsApps;C:\Users\Shreehari Kulkarni\AppData\Local\Programs
\Microsoft VS Code\bin;C:\Program Files\JetBrains\PyCharm Community Edition 2020.2.1\bin;\;C:\Program Files\Java\jdk-14.0.2\bin;C:\tools\dart-sdk\bin;C:\src\flutter\bin;C:\Users\Shreehari Kulkarni\AppData\Local\GitHubDesktop\bin;C:
\Users\Shreehari Kulkarni\AppData\Roaming\npm
```
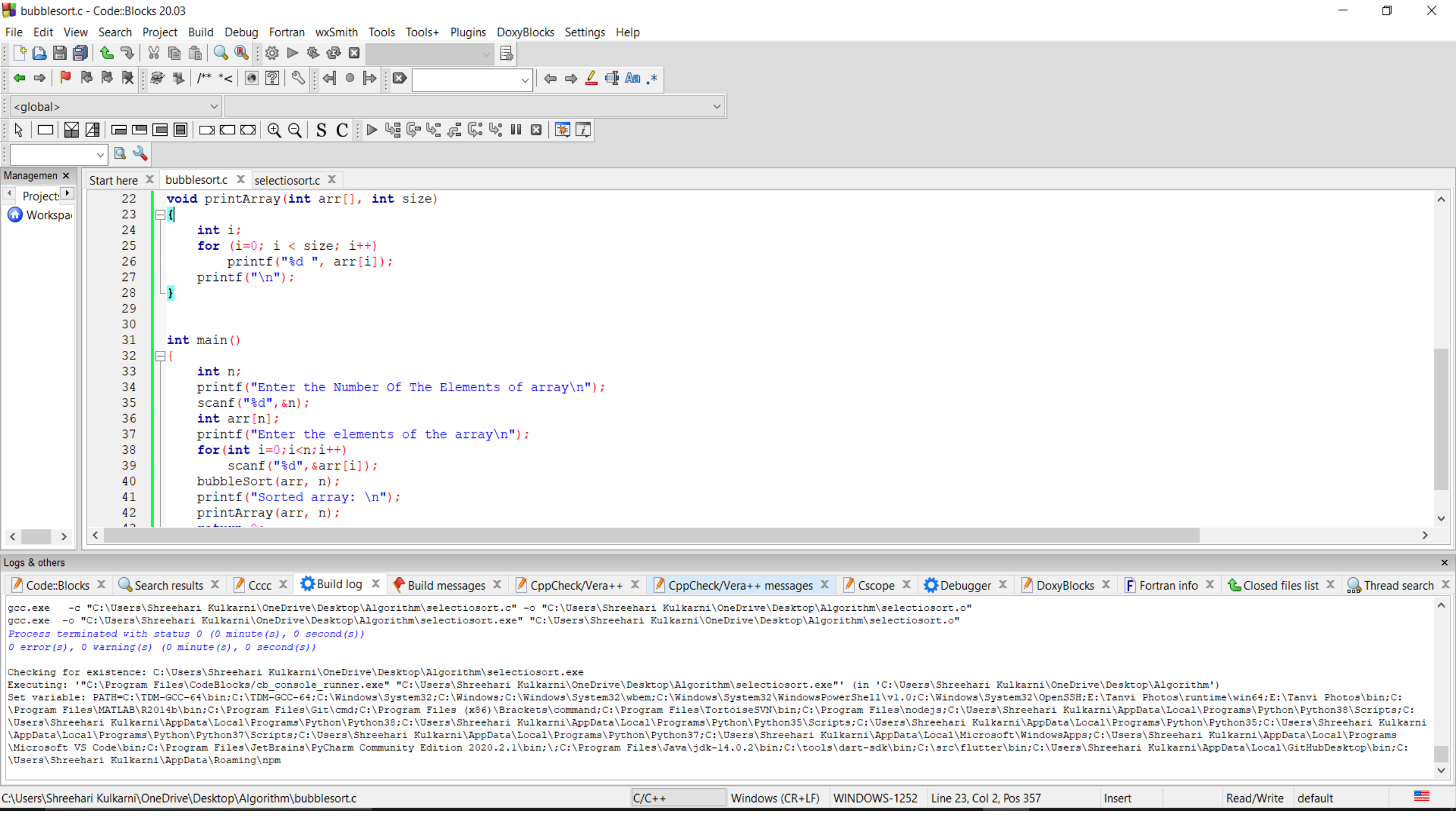
C:\Users\Shreehari Kulkarni\OneDrive\Desktop\Algorithm\bubblesort.c   C/C++   Windows (CR+LF)   WINDOWS-1252   Line 23, Col 2, Pos 357   Insert   Read/Write   default

ter the Number Of The Elements of array

ter the elements of the array

rted array:
22 35 41 96

ocess returned 0 (0x0)   execution time : 102.348 s
ess any key to continue.