File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug   da2ass.cpp

```c
1    #include <stdio.h>
2
3    int main() {
4        printf("192210305-soumil rao");
5        public int __cdecl printf (const char * __restrict__ _Format, ...)
6        int n = sizeof(arr)/sizeof(arr[0]);
7        int temp, i, j;
8        float avg;
9
10
11       for (i = 0; i < n; i++) {
12           for (j = i+1; j < n; j++) {
13               if (arr[i] < arr[j]) {
14                   temp = arr[i];
15                   arr[i] = arr[j];
16                   arr[j] = temp;
17               }
18           }
19       }
20
21
22       int second_largest = arr[1];
23
24
25       int second_smallest = arr[n-2];
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

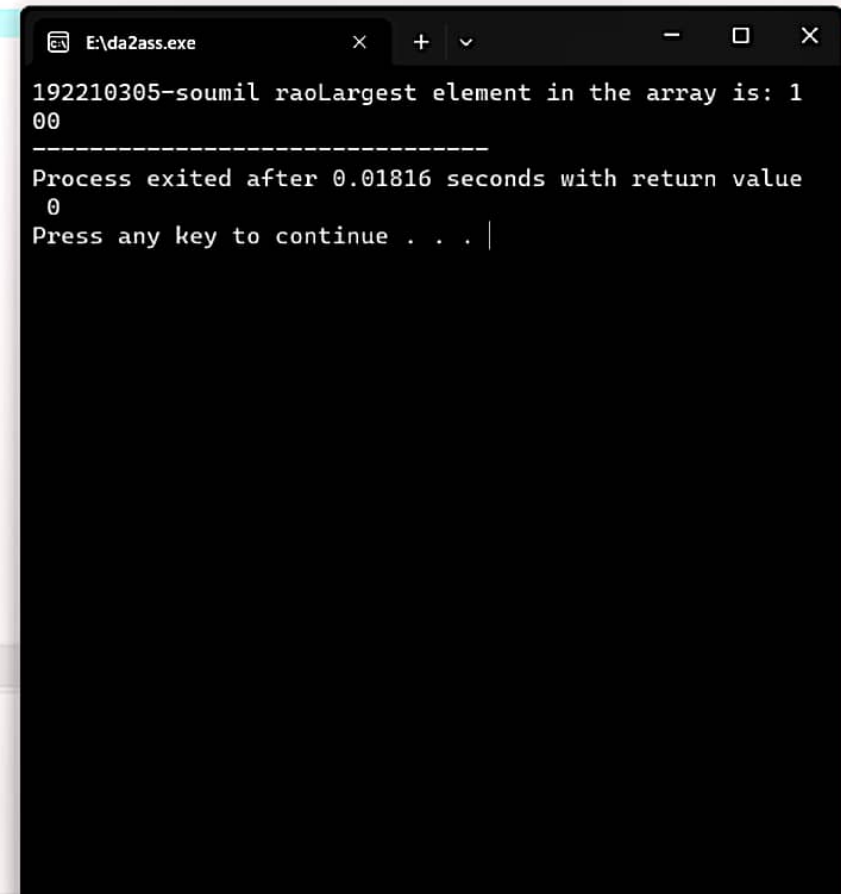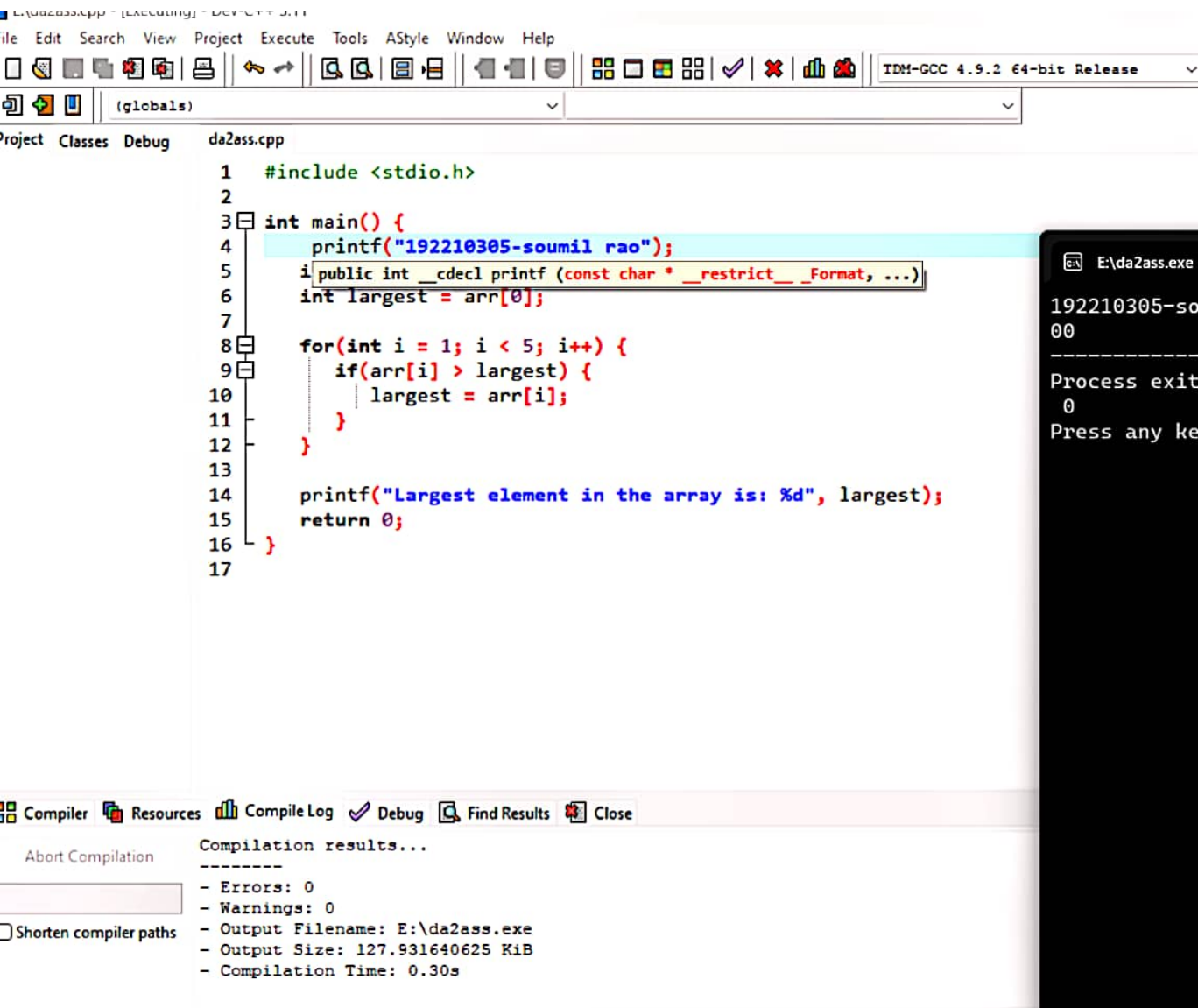Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: E:\da2ass.exe
- Output Size: 128.431640625 KiB

E:\da2ass.exe

```
192210305-soumil raoThe average number 4.50
is not present in the array.

--------------------------------
Process exited after 0.01603 seconds with re
turn value 0
Press any key to continue . . .
```

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug   da2ass.cpp

```c
1    #include <stdio.h>
2
3    int main() {
4        printf("192210305-soumil rao");
5    i public int __cdecl printf (const char * __restrict__ _Format, ...)
6        int largest = arr[0];
7
8        for(int i = 1; i < 5; i++) {
9            if(arr[i] > largest) {
10               largest = arr[i];
11           }
12       }
13
14       printf("Largest element in the array is: %d", largest);
15       return 0;
16   }
17
```

Terminal output:

```
E:\da2ass.exe

192210305-soumil raoLargest element in the array is: 1
00
------------------------------------
Process exited after 0.01816 seconds with return value
 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: E:\da2ass.exe
- Output Size: 127.931640625 KiB
- Compilation Time: 0.30s
```

Scanned with OKEN Scanner

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug srtsryt.cpp

```c
1    #include <stdio.h>
2
3    int main() {
4        printf("192210305-soumil rao");
5        public int __cdecl printf (const char * __restrict__ _Format, ...)
6        int n = sizeof(arr)/sizeof(arr[0]);
7        int i, j, k;
8
9
10       for(i=0; i<n; i++) {
11           for(j=i+1; j<n;) {
12               if(arr[j] == arr[i]) {
13                   for(k=j; k<n; k++) {
14                       arr[k] = arr[k+1];
15                   }
16                   n--;
17               }
18               else {
19                   j++;
20               }
21           }
22       }
23
24
25
```

E:\srtsryt.exe

```
192210305-soumil raoResultant Array after removing duplicates: 1 2 4 5 7
-----------------------------------
Process exited after 0.01851 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: E:\srtsryt.exe
- Output Size: 128.431640625 KiB
- Compilation Time: 0.61s

☐ Shorten compiler paths

```c
#include <stdio.h>

int main() {
    printf("192210305-soumil rao");
    int array[] = {10, 15, 90, 200, 110};
    int n = sizeof(array) / sizeof(array[0]);
    int max_diff = array[1] - array[0];
    int min_element = array[0];

    for (int i = 1; i < n; i++) {
        if (array[i] - min_element > max_diff) {
            max_diff = array[i] - min_element;
        }
        if (array[i] < min_element) {
            min_element = array[i];
        }
    }

    printf("Maximum difference is %d\n", max_diff);
    return 0;
}
```

```
192210305-soumil raoMaximum difference is 190

--------------------------------
Process exited after 0.01646 seconds with return value 0
Press any key to continue . . .
```

```c
#include <stdio.h>

void findLargestTwo(int arr[], int n)
{
    int firstLargest, secondLargest;
    printf("192210305-soumil rao");
    if (arr[0] > arr[1]) {
        firstLargest = arr[0];
        secondLargest = arr[1];
    } else {
        firstLargest = arr[1];
        secondLargest = arr[0];
    }

    for (int i = 2; i < n; i++) {
        if (arr[i] > firstLargest) {
            secondLargest = firstLargest;
            firstLargest = arr[i];
        } else if (arr[i] > secondLargest) {
            secondLargest = arr[i];
        }
    }

    printf("The FIRST LARGEST = %d\n", firstLargest);
    printf("The SECOND LARGEST = %d\n", secondLargest);
```

Terminal output:

```
Enter the number of elements: 8
Enter 8 elements: 8
7
6
5
4
3
2
1
192210305-soumil raoThe FIRST LARGEST = 8
The SECOND LARGEST = 7

----------------------------------
Process exited after 18.23 seconds with return value 0
Press any key to continue . . .
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: E:\da2ass.exe
- Output Size: 129.640625 KiB
- Compilation Time: 0.25s

```c
int i, j, n, flag = 1;

printf("Enter the number of elements in the array: ");
printf("192210305 soumil");

public int __cdecl printf (const char * __restrict__ _Format, ...)

printf("Enter the elements of the array: ");
for (i = 0; i < n; i++) {
    scanf("%d", &arr[i]);
}

// Reverse the array
for (i = 0, j = n - 1; i < n; i++, j--) {
    rev[i] = arr[j];
}

// Check if the array is palindrome
for (i = 0; i < n; i++) {
    if (arr[i] != rev[i]) {
        flag = 0;
        break;
    }
}
}
```

```
C:\Users\user\Desktop\manojsai sudheer.exe

Enter the number of elements in the array: 192210305 soumil4
Enter the elements of the array: 1
2
3
4
The array is not a palindrome array.
---------------------------------
Process exited after 8.3 seconds with return value 0
Press any key to continue . . .
```

📊 Compile Log ✅ Debug 🔍 Find Results ❌ Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\manojsai sudheer.exe
- Output Size: 128.6220703125 KiB
- Compilation Time: 0.47s

```cpp
20
21              steps--;
22
23              if (steps == 0) {
24                  jumps++;
25
26                  if (i >= maxReach)
27                      return -1;
28
29                  steps = maxReach - i;
30              }
31          }
32
33          return -1;
34      }
35
36      int main()
37      {
38          int arr[] = { 1, 3, 5, 8, 9, 2, 6, 7, 6, 8, 9 };
39          int n = sizeof(arr) / sizeof(arr[0]);
40          printf("Minimum number of jumps to reach end is %d\n", minJumps(arr, n));
41          printf("192210305 soumil");
42          return 0;
```

Console output:

```
C:\Users\user\Desktop\manoj bhargav.exe

Minimum number of jumps to reach end is 3
192210305 soumil
--------------------------------
Process exited after 0.02975 seconds with return value 0
Press any key to continue . . .
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\manoj bhargav.exe
- Output Size: 128.4638671875 KiB
- Compilation Time: 0.50s

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

TDM-GCC 4.9.2 64-bit Release

Project Classes Debug

sudheer soumil.cpp

```
 6          int i, j, n, count;
 7
 8          printf("Enter the number of elements in the array: ");
 9          printf("192210305 soumil");
10          public int __cdecl printf (const char * __restrict__ _Format, ...)
11
12          printf("Enter the elements of the array: ");
13          for (i = 0; i < n; i++) {
14              scanf("%d", &arr[i]);
15              freq[i] = -1; // initialize frequency array with -1
16          }
17
18          for (i = 0; i < n; i++) {
19              count = 1;
20              for (j = i + 1; j < n; j++) {
21                  if (arr[i] == arr[j]) {
22                      count++;
23                      freq[j] = 0; // mark the element as counted
24                  }
25              }
26              if (freq[i] != 0) {
27                  freq[i] = count;
28              }
```

C:\Users\user\Desktop\sudheer soumil.exe

```
Enter the number of elements in the array: 192210305 soumil6
Enter the elements of the array: 1
2
3
4
5
6

Frequency of each element in the array:
1 occurs 1 times
2 occurs 1 times
3 occurs 1 times
4 occurs 1 times
5 occurs 1 times
6 occurs 1 times

------------------------------------
Process exited after 12.17 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\sudheer soumil.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 0.47s
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project   Classes   Debug   bhargav soumil.cpp

```c
1    #include <stdio.h>
2
3    int main() {
4        int arr[100], even[100], odd[100];
5        int i, j = 0, k = 0, n;
6
7        printf("Enter the number of elements in the array: ");
8        printf("192210305 soumil");
9        scanf("%d", &n);
10
11       printf("Enter the elements of the array: ");
12       for (i = 0; i < n; i++) {
13           scanf("%d", &arr[i]);
14       }
15
16       for (i = 0; i < n; i++) {
17           if (arr[i] % 2 == 0) {
18               even[j] = arr[i];
19               j++;
20           }
21           else {
22               odd[k] = arr[i];
23               k++;
```

Console output window:

C:\Users\user\Desktop\bhargav soumil.exe

```
Enter the number of elements in the array: 192210305 soumil1
Enter the elements of the array: 3

Even elements of the array:
Odd elements of the array: 3
--------------------------------

Process exited after 6.125 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\bhargav soumil.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.45s
```

Abort Compilation

☐ Shorten compiler paths

TDM-GCC 4.9.2 64-bit Release

(globals)

roject Classes Debug

soumil.1.cpp   manoj soumil.cpp

```c
1    #include <stdio.h>
2
3    int main() {
4        int arr[100], n, i, j, temp;
5
6        printf("Enter the value of N: ");
7        printf("192210305 soumil");
8        scanf("%d", &n);
9
10       printf("Enter the numbers: ");
11       for (i = 0; i < n; i++) {
12           scanf("%d", &arr[i]);
13       }
14
15       for (i = 0; i < n; i++) {
16           for (j = i + 1; j < n; j++) {
17               if (arr[i] < arr[j]) {
18                   temp = arr[i];
19                   arr[i] = arr[j];
20                   arr[j] = temp;
21               }
22           }
23       }
```

C:\Users\user\Desktop\manoj soumil.exe

```
nter the value of N: 192210305 soumil6
nter the numbers: 5




he numbers arranged in descending order are given below:






--------------------------------
rocess exited after 16.1 seconds with return value 0
ress any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\manoj so
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.47s
```

Shorten compiler paths

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