

Untitled3 - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp [\*] Untitled3

```
4 {
5     int n;
6     printf("Enter the number of elements: ");
7     scanf("%d", &n);
8     int arr[n];
9     printf("Enter %d elements:\n", n);
10    for (int i = 0; i < n; i++) {
11        scanf("%d", &arr[i]);
12    }
13    int largest = INT_MIN, secondLargest = INT_MIN;
14    int smallest = INT_MAX, secondSmallest = INT_MAX;
15
16    for (int i = 0; i < n; i++) {
17        if (arr[i] > largest) {
18            secondLargest = largest;
19            largest = arr[i];
20        } else if (arr[i] > secondLargest && arr[i] < largest) {
21            secondLargest = arr[i];
22        }
23    }
24
25 // find the smallest and second smallest elements
```

Compiler (1) Resources Compile Log Debug Find Results Close

Line Col File Message

25 1 C:\Users\sunke\OneDrive\Documents\day2 ass2.cpp [Error] stray '\240' in program

Line: 15 Col: 5 Sel: 0 Lines: 43 Length: 1256 Insert Done parsing in 0.015 seconds

28°C Partly cloudy

Search Google Chrome Microsoft Edge Settings Google Drive DEV

ENG IN 21:53 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp

```
6   printf("Enter the number of elements: ");
7   scanf("%d", &n);
8   int arr[n];
9   printf("Enter %d elements:\n", n);
10  for (int i = 0; i < n; i++) {
11      scanf("%d", &arr[i]);
12  }
13  int largest1 = INT_MIN, largest2 = INT_MIN;
14  for (int i = 0; i < n; i++) {
15      if (arr[i] > largest1) {
16          largest2 = largest1;
17          largest1 = arr[i];
18      } else if (arr[i] > largest2 && arr[i] < largest1) {
19          largest2 = arr[i];
20      }
21  }
22  printf("The largest number is: %d\n", largest1);
23  printf("The second largest number is: %d\n", largest2);
24  return 0;
25 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2.exe  
- Output Size: 128.6015625 KiB  
- Compilation Time: 0.28s

Line: 24 Col: 1 Sel: 0 Lines: 26 Length: 713 Insert Done parsing in 0.141 seconds

28°C Partly cloudy ENG IN 21:30 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass5day2.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp

```
1 #include <stdio.h>
2 int main()
3 {
4     int arr[100], n, i, j, k;
5     printf("Enter the number of elements in the array: ");
6     scanf("%d", &n);
7     printf("Enter %d elements:\n", n);
8     for (i = 0; i < n; i++)
9     {
10         scanf("%d", &arr[i]);
11     }
12     for (i = 0; i < n; i++)
13     {
14         for (j = i + 1; j < n;)
15         {
16             if (arr[j] == arr[i])
17             {
18                 for (k = j; k < n; k++)
19                 {
20                     arr[k] = arr[k + 1];
21                 }
22             }
23         }
24     }
25 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass5day2.exe  
- Output Size: 129.2734375 Kib  
- Compilation Time: 0.33s

Line: 36 Col: 1 Sel: 0 Lines: 39 Length: 808 Insert Done parsing in 0.016 seconds

29°C Mostly cloudy ENG IN 22:25 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2que4.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp

```
1 #include <stdio.h>
2 #include <limits.h>
3 int main()
4 {
5     int n;
6     printf("Enter the number of elements: ");
7     scanf("%d", &n);
8     int arr[n];
9     printf("Enter %d elements:\n", n);
10    for (int i = 0; i < n; i++)
11    {
12        scanf("%d", &arr[i]);
13    }
14    int maxDiff = INT_MIN;
15    for (int i = 0; i < n; i++)
16    {
17        for (int j = i + 1; j < n; j++)
18        {
19            int diff = arr[j] - arr[i];
20            if (diff > maxDiff)
21            {
22                maxDiff = diff;
23            }
24        }
25    }
26    printf("The maximum difference is: %d", maxDiff);
27 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que4.exe  
- Output Size: 128.7705078125 KiB  
- Compilation Time: 0.33s

Line: 34 Col: 1 Sel: 0 Lines: 36 Length: 775 Insert Done parsing in 0.015 seconds

28°C Partly cloudy ENG IN 22:06 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2que6.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TIFF-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [*] ass2day2que6.cpp

20         j++;
21     }
22     else
23     {
24         odd[k] = arr[i];
25         k++;
26     }
27 }
printf("\nEven elements: ");
for (i = 0; i < j; i++)
{
    printf("%d ", even[i]);
}
printf("\nOdd elements: ");
for (i = 0; i < k; i++)
{
    printf("%d ", odd[i]);
}
return 0;
}

Compiler Resources Compile Log Debug Find Results Close
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que6.exe
- Output Size: 128.6015625 Kib
- Compilation Time: 0.33s

Line: 38   Col: 1   Sel: 0   Lines: 41   Length: 803   Insert   Done parsing in 0.016 seconds
29°C Mostly cloudy
22:31 29-03-2023
```

C:\Users\sunke\OneDrive\Documents\ass2day2que6.cpp - [Executing] - Dev-C++ 5.11

File C:\Users\sunke\OneDrive\Doc X +

Enter the size of the array: 4  
Enter the elements of the array: 1  
2  
54  
6  
  
Even elements: 2 54 6  
Odd elements: 1  
-----  
Process exited after 7.226 seconds with return value 0  
Press any key to continue . . .

Recent Compilation

---

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que6.exe  
- Output Size: 128.6015625 Kib  
- Compilation Time: 0.33s

---

Line: 38 Col: 1 Sel: 0 Lines: 41 Length: 803 Insert Done parsing in 0.016 seconds

29°C Mostly cloudy

Search

22:30 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2que4.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TIK-GCC 4.9.2 64-bit Release
(globals) Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp
16 {
17     for (int j = i + 1; j < n; j++)
18     {
19         int diff = arr[j] - arr[i];
20         if (diff > maxDiff)
21         {
22             maxDiff = diff;
23         }
24     }
25     if (maxDiff == INT_MIN)
26     {
27         printf("There are no two elements in the array.\n");
28     }
29     else
30     {
31         printf("The maximum difference between two elements is: %d\n", maxDiff);
32     }
33 }
34 return 0;
35 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que4.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.33s

Line: 34 Col: 1 Sel: 0 Lines: 36 Length: 775 Insert Done parsing in 0.015 seconds

28°C Partly cloudy ENG IN 22:06 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2que7.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

Project Class C:\Users\sunke\OneDrive\Documents\ass2day2que7.cpp

```
Enter the size of the array: 4
Enter the elements of the array: 5
6
3
3
2

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

-----
Process exited after 6.862 seconds with return value 0
Press any key to continue . . . |
```

Compile

Abort C

Shorten compiler paths

- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que7.exe
- Output Size: 129,2705078125 KiB
- Compilation Time: 0.28s

Line: 40 Col: 1 Sel: 0 Lines: 43 Length: 898 Insert Done parsing in 0.031 seconds

29°C Mostly cloudy

Search

22:37 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TIFF-GCC 4.9.2 64-bit Release
Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [*] ass2day2que6.cpp ass2day2que7.cpp ass2qu8.cpp
5     int n, i, temp;
6     printf("Enter the size of the array: ");
7     scanf("%d", &n);
8     int arr[n];
9     printf("Enter the elements into the array: ");
10    for(i = 0; i < n; i++)
11    {
12        scanf("%d", &arr[i]);
13    }
14    ptr1 = &arr[0];
15    ptr2 = &(arr[n - 1]);
16
17    while(ptr1 < ptr2)
18    {
19        temp = *ptr1;
20        *ptr1 = *ptr2;
21        *ptr2 = temp;
22        ptr1 = ptr1 + 1;
23        ptr2 = ptr2 - 1;
24    }
25    printf("The reversed array: ");
26    for(i = 0; i < n; i++)
27    {
28        printf("%d ", arr[i]);
29    }
30
31    return 0;
32 }
```

Compiler (6) Resources Compile Log Debug Find Results

Line: 29 Col: 6 Sel: 0 Lines: 32 Length: 696 Insert Done parsing in 0 seconds

29°C Mostly cloudy ENG IN 22:41 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
[TIM-GCC 4.9.2 64-bit Release]
Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [*] ass2day2que6.cpp ass2day2que7.cpp ass2qu8.cpp

5     int n, i, temp;
6     printf("Enter the size of the array: ");
7     scanf("%d", &n);
8     int arr[n];
9     printf("Enter the elements into the array: ");
10    for(i = 0; i < n; i++)
11    {
12        scanf("%d", &arr[i]);
13    }
14    ptr1 = &arr[0];
15    ptr2 = &(arr[n - 1]);
16
17    while(ptr1 < ptr2)
18    {
19        temp = *ptr1;
20        *ptr1 = *ptr2;
21        *ptr2 = temp;
22        ptr1 = ptr1 + 1;
23        ptr2 = ptr2 - 1;
24    }
25    printf("The reversed array: ");
26    for(i = 0; i < n; i++)
27    {
28        printf("%d ", arr[i]);
29    }
30
31    return 0;
32 }
```

Compiler (6) Resources Compile Log Debug Find Results

Line: 29 Col: 6 Sel: 0 Lines: 32 Length: 696 Insert Done parsing in 0 seconds

29°C Mostly cloudy

Search

22:44 29-03-2023

C:\Users\sunke\OneDrive\Documents\que10ass2.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [\*] ass2day2que5.cpp ass2day2que7.cpp ass2que8.cpp ass2que99.cpp que10ass2.cpp

```
25     return -1; |
26 }
27
28 int main() {
29     int n, i;
30     printf("Enter the size of the array: ");
31     scanf("%d", &n);
32     int arr[n];
33     printf("Enter the elements of the array:\n");
34     for (i = 0; i < n; i++) {
35         scanf("%d", &arr[i]);
36     }
37     int min_jumps_required = min_jumps(arr, n);
38     if (min_jumps_required == -1) {
39         printf("Can't reach the end of the array.\n");
40     } else {
41         printf("Minimum number of jumps required to reach the end of the array: %d\n", min_jumps_required);
42     }
43     return 0;
44 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\que10ass2.exe  
- Output Size: 129.8037109375 KiB  
- Compilation Time: 0.30s

Line: 25 Col: 16 Sel: 0 Lines: 45 Length: 1136 Insert Done parsing in 0 seconds

29°C Mostly cloudy ENG IN 22:56 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2que99.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [\*] ass2day2que6.cpp ass2day2que7.cpp ass2qu8.cpp ass2que99.cpp

```
1 #include <stdio.h>
2 void selection_sort_descending(int arr[], int n)
3 {
4     int i, j, max_idx, temp;
5     for (i = 0; i < n - 1; i++)
6     {
7         max_idx = i;
8         for (j = i + 1; j < n; j++)
9         {
10             if (arr[j] > arr[max_idx])
11             {
12                 max_idx = j;
13             }
14         }
15         temp = arr[i];
16         arr[i] = arr[max_idx];
17         arr[max_idx] = temp;
18     }
19 }
20
21 int main()
22 {
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2que99.exe  
- Output Size: 129.8203125 KiB  
- Compilation Time: 0.27s

Line: 2 Col: 15 Sel: 0 Lines: 40 Length: 839 Insert Done parsing in 0.015 seconds

29°C Mostly cloudy ENG IN 22:51 29-03-2023

The screenshot shows a Dev-C++ IDE interface. The terminal window displays the following output:

```
Enter the size of the array: 3
Enter the elements of the array:
1
5
6
Minimum number of jumps required to reach the end of the array: 2

-----
Process exited after 4.481 seconds with return value 0
Press any key to continue . . .
```

The status bar at the bottom shows: Line: 25 Col: 16 Sel: 0 Lines: 45 Length: 1136 Insert Done parsing in 0 seconds.

The screenshot shows the Dev-C++ IDE interface with the following details:

- Title Bar:** C:\Users\sunke\OneDrive\Documents\que10ass2.cpp - Dev-C++ 5.11
- Menu Bar:** File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help
- Toolbar:** Includes icons for file operations like Open, Save, Print, and Build.
- Compiler Selection:** TDM-GCC 4.9.2 64-bit Release
- Project Bar:** Shows multiple files: ass2day2.cpp, day2ass2.cpp, ass2day23que.cpp, ass2day2que4.cpp, ass5day2.cpp, [\*] ass2day2que6.cpp, ass2day2que7.cpp, ass2que8.cpp, ass2que99.cpp, que10ass2.cpp.
- Code Editor:** Displays the following C code for calculating the minimum number of jumps in an array:

```
1 #include <stdio.h>
2
3 int min_jumps(int arr[], int n) {
4     if (n <= 1) {
5         return 0;
6     }
7     if (arr[0] == 0) {
8         return -1;
9     }
10    int jumps = 1, max_reach = arr[0], steps = arr[0], i;
11    for (i = 1; i < n; i++) {
12        if (i == n - 1) {
13            return jumps;
14        }
15        max_reach = (max_reach > i + arr[i]) ? max_reach : i + arr[i];
16        steps--;
17        if (steps == 0) {
18            jumps++;
19            if (i >= max_reach) {
20                return -1;
21            }
22        }
23        steps = max_reach - i;
24    }
25 }
```

- Toolbars:** Compiler, Resources, Compile Log, Debug, Find Results, Close.
- Compiler Results:** Shows compilation results with 0 errors and 0 warnings, output filename C:\Users\sunke\OneDrive\Documents\que10ass2.exe, size 129.8037109375 KiB, and time 0.30s.
- Status Bar:** Line: 25, Col: 16, Lines: 45, Length: 1136, Insert, Done parsing in 0 seconds.
- System Tray:** Weather (29°C, Mostly cloudy), Search bar, Taskbar icons for File Explorer, Edge, File Manager, Control Panel, Settings, Mail, Phone, and DEV.
- System Status:** ENG IN, battery level, signal strength, and date (29-03-2023).

C:\Users\sunke\OneDrive\Documents\ass2que99.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [\*] ass2day2que6.cpp ass2day2que7.cpp ass2qu8.cpp ass2que99.cpp

```
20
21 int main()
22 {
23     int i, n;
24     printf("Enter the size of the array: ");
25     scanf("%d", &n);
26     int arr[n];
27     printf("Enter the elements of the array:\n");
28     for (i = 0; i < n; i++)
29     {
30         scanf("%d", &arr[i]);
31     }
32     selection_sort_descending(arr, n);
33     printf("The sorted array in descending order is:\n");
34     for (i = 0; i < n; i++)
35     {
36         printf("%d ", arr[i]);
37     }
38     return 0;
39 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2que99.exe  
- Output Size: 129.8203125 KiB  
- Compilation Time: 0.27s

Line: 2 Col: 15 Sel: 0 Lines: 40 Length: 839 Insert Done parsing in 0.015 seconds

29°C Mostly cloudy ENG IN 22:51 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2que7.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
[TIM-GCC 4.9.2 64-bit Release]
(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [*] ass2day2que6.cpp ass2day2que7.cpp

22
23         count++;
24     }
25 }
26
27 if (freq[i] != 0)
28 {
29     freq[i] = count;
30 }
31
32 printf("\nFrequency of each element in the array: \n");
33 for (i = 0; i < n; i++)
34 {
35     if (freq[i] != 0)
36     {
37         printf("%d occurs %d times\n", arr[i], freq[i]);
38     }
39 }
40 return 0;
41 }

Compiler Resources Compile Log Debug Find Results Close
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que7.exe
- Output Size: 129,2705078125 KiB
- Compilation Time: 0.28s

Line: 40 Col: 1 Sel: 0 Lines: 43 Length: 898 Insert Done parsing in 0.031 seconds
29°C Mostly cloudy
22:37 29-03-2023
```

C:\Users\sunke\OneDrive\Documents\ass2que99.cpp - [Executing] - Dev-C++ 5.11

File C:\Users\sunke\OneDrive\Doc X +

```
Enter the size of the array: 3
Enter the elements of the array:
1
5
6
The sorted array in descending order is:
6 5 1
-----
Process exited after 11.51 seconds with return value 0
Press any key to continue . . . |
```

Recent Compilation

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2que99.exe
- Output Size: 129.8203125 KiB
- Compilation Time: 0.27s

Line: 2 Col: 15 Sel: 0 Lines: 40 Length: 839 Insert Done parsing in 0.015 seconds

29°C Mostly cloudy

Search

22:50 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [\*] ass2day2que5.cpp ass2day2que7.cpp ass2qu8.cpp

```
1 #include <stdio.h>
2 int main()
3 {
4     int *ptr1, *ptr2;
5     int n, i, temp;
6     printf("Enter the size of the array: ");
7     scanf("%d", &n);
8     int arr[n];
9     printf("Enter the elements into the array: ");
10    for(i = 0; i < n; i++)
11    {
12        scanf("%d", &arr[i]);
13    }
14    ptr1 = &arr[0];
15    ptr2 = &(arr[n - 1]);
16
17    while(ptr1 < ptr2)
18    {
19        temp = *ptr1;
20        *ptr1 = *ptr2;
21        *ptr2 = temp;
22        ptr1 = ptr1 + 1;

```

Compiler (6) Resources Compile Log Debug Find Results Close

Line	Col	File	Message
29	1	C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp	[Error] stray '\240' in program
29	1	C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp	[Error] stray '\240' in program
29	1	C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp	[Error] stray '\240' in program
29	1	C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp	[Error] stray '\240' in program
30	5	C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp	[Error] stray '\240' in program
32	1	C:\Users\sunke\OneDrive\Documents\ass2qu8.cpp	[Error] stray '\240' in program

Line: 29 Col: 1 Sel: 0 Lines: 32 Length: 696 Insert Done parsing in 0 seconds

29°C Mostly cloudy ENG IN 22:41 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2que7.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [\*] ass2day2que6.cpp ass2day2que7.cpp

```
1 #include <stdio.h>
2 #define MAX_SIZE 100
3 int main()
4 {
5     int arr[MAX_SIZE], freq[MAX_SIZE];
6     int i, j, n, count;
7     printf("Enter the size of the array: ");
8     scanf("%d", &n);
9     printf("Enter the elements of the array: ");
10    for (i = 0; i < n; i++)
11    {
12        scanf("%d", &arr[i]);
13        freq[i] = -1;
14    }
15    for (i = 0; i < n; i++)
16    {
17        count = 1;
18        for (j = i + 1; j < n; j++)
19        {
20            if (arr[i] == arr[j])
21            {
22                count++;
23            }
24        }
25        if (freq[arr[i]] <= 0)
26        {
27            freq[arr[i]] = count;
28        }
29    }
30    for (i = 0; i < n; i++)
31    {
32        if (freq[i] > 0)
33        {
34            printf("%d ", arr[i]);
35        }
36    }
37 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que7.exe  
- Output Size: 129,2705078125 KiB  
- Compilation Time: 0.28s

Line: 40 Col: 1 Sel: 0 Lines: 43 Length: 898 Insert Done parsing in 0.031 seconds

29°C Mostly cloudy ENG IN 22:37 29-03-2023

```
C:\Users\sunke\OneDrive\Documents\ass2day2.cpp - [Executing] - Dev-C++ 5.11
File C:\Users\sunke\OneDrive\Doc X + 
Project C:\Users\sunke\OneDrive\Doc X Enter the number of elements: 6
Enter 6 elements:
2
2
1
1
1
1
The largest number is: 2
The second largest number is: 1

-----
Process exited after 21.09 seconds with return value 0
Press any key to continue . . .

-----
```

Search Compilation

Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2.exe
- Output Size: 128.6015625 Kib
- Compilation Time: 0.28s

Line: 24 Col: 1 Sel: 0 Lines: 26 Length: 713 Insert Done parsing in 0.141 seconds

28°C Partly cloudy

ENG IN 21:30 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2que6.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp [\*] ass2day2que6.cpp

```
1 #include <stdio.h>
2 #define MAX_SIZE 100
3 int main()
4 {
5     int arr[MAX_SIZE], even[MAX_SIZE], odd[MAX_SIZE];
6     int i, j = 0, k = 0, n;
7     printf("Enter the size of the array: ");
8     scanf("%d", &n);
9     printf("Enter the elements of the array: ");
10    for (i = 0; i < n; i++)
11    {
12        scanf("%d", &arr[i]);
13    }
14
15    for (i = 0; i < n; i++)
16    {
17        if (arr[i] % 2 == 0)
18        {
19            even[j] = arr[i];
20            j++;
21        }
22        else
23    }
24 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que6.exe  
- Output Size: 128.6015625 Kib  
- Compilation Time: 0.33s

Line: 38 Col: 1 Sel: 0 Lines: 41 Length: 803 Insert Done parsing in 0.016 seconds

29°C Mostly cloudy ENG IN 22:31 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass5day2.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2que4.cpp ass5day2.cpp

```
18
19 for (k = j; k < n; k++)
20 {
21     arr[k] = arr[k + 1];
22 }
23 n--;
24 else
25 {
26     j++;
27 }
28 }
29
30 printf("Array after removing duplicates: ");
31 for (i = 0; i < n; i++)
32 {
33     printf("%d ", arr[i]);
34 }
35 printf("\n");
36 return 0;
37 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass5day2.exe  
- Output Size: 129.2734375 Kib  
- Compilation Time: 0.33s

Line: 36 Col: 1 Sel: 0 Lines: 39 Length: 808 Insert Done parsing in 0.016 seconds

29°C Mostly cloudy ENG IN 22:25 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass5day2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp ass2day2 4que.cpp ass5day2.cpp

```
1 #include <stdio.h>
2
3
4
5 Enter the number of elements in the array: 5
6 Enter 5 elements:
7 1
8 2
9 2
10 3
11 1
12 Array after removing duplicates: 1 2 3
13
14 -----
15 Process exited after 7.491 seconds with return value 0
16 Press any key to continue . . .
```

Compiler Resources

Abort Compilation

Shorten compiler paths

Line: 36 Col: 1 Sel: 0 Lines: 39 Length: 808 Insert Done parsing in 0.016 seconds

29°C Mostly cloudy

Search File Explorer Internet Explorer Google Chrome DEV

22:25 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug ass2day2.cpp

```
1 #include <stdio.h>
2 #include <limits.h>
3 int main()
4 {
5     int n;
6     printf("Enter the number of elements: ");
7     scanf("%d", &n);
8     int arr[n];
9     printf("Enter %d elements:\n", n);
10    for (int i = 0; i < n; i++) {
11        scanf("%d", &arr[i]);
12    }
13    int largest1 = INT_MIN, largest2 = INT_MIN;
14    for (int i = 0; i < n; i++) {
15        if (arr[i] > largest1) {
16            largest2 = largest1;
17            largest1 = arr[i];
18        } else if (arr[i] > largest2 && arr[i] < largest1) {
19            largest2 = arr[i];
20        }
21    }
22    printf("The largest number is: %d\n", largest1);
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2.exe  
- Output Size: 128.6015625 KiB  
- Compilation Time: 0.28s

Line: 24 Col: 1 Sel: 0 Lines: 26 Length: 713 Insert Done parsing in 0.141 seconds

28°C Partly cloudy ENG IN 21:30 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2que4.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

C:\Users\sunke\OneDrive\Documents\ass2day2que4.cpp

Project Enter the number of elements: 5  
Enter 5 elements:  
1  
2  
2  
2  
3  
The maximum difference between two elements is: 2

Process exited after 17.36 seconds with return value 0  
Press any key to continue . . .

Console

Shorten compiler paths

- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2que4.exe  
- Output Size: 128.7705078125 KiB  
- Compilation Time: 0.33s

Line: 34 Col: 1 Sel: 0 Lines: 36 Length: 775 Insert Done parsing in 0.015 seconds

28°C Partly cloudy

Search

2206 29-03-2023 ENG IN

C:\Users\sunke\OneDrive\Documents\ass2day2\3que.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp TDM-GCC 4.9.2 64-bit Release
(globals) Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp
1 #include <stdio.h>
2 #include <limits.h>
3 int main()
4 {
5     int n;
6     printf("Enter the number of elements: ");
7     scanf("%d", &n);
8     int arr[n];
9     printf("Enter %d elements:\n", n);
10    for (int i = 0; i < n; i++) {
11        scanf("%d", &arr[i]);
12    }
13    int largest = INT_MIN, secondLargest = INT_MIN;
14    int smallest = INT_MAX, secondSmallest = INT_MAX;
15    for (int i = 0; i < n; i++) {
16        if (arr[i] > largest) {
17            secondLargest = largest;
18            largest = arr[i];
19        } else if (arr[i] > secondLargest && arr[i] < largest) {
20            secondLargest = arr[i];
21        }
22    }
Compiler Resources Compile Log Debug Find Results Close
Compilation results...
Abort Compilation
Shorten compiler paths
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2\3que.exe
- Output Size: 129.1015625 KiB
- Compilation Time: 0.33s
Line: 36 Col: 3 Sel: 0 Lines: 38 Length: 1190 Insert Done parsing in 0.015 seconds
28°C Partly cloudy ENG IN 21:59 29-03-2023
```

C:\Users\sunke\OneDrive\Documents\day2 ass2.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TIK-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug ass2day2.cpp day2 ass2.cpp
1 #include <stdio.h>
2 void find_largest_two(int arr[], int size, int *largest, int *second_largest)
3 {
4     *largest = *second_largest = -1;
5     for (int i = 0; i < size; i++)
6     {
7         if (arr[i] > *largest)
8         {
9             *second_largest = *largest;
10            *largest = arr[i];
11        }
12        else if (arr[i] > *second_largest && arr[i] < *largest)
13        {
14            *second_largest = arr[i];
15        }
16    }
17
18 int main()
19 {
20     int arr[] = {3, 5, 9, 1, 4};
21     int size = sizeof(arr) / sizeof(arr[0]);
22     int largest, second_largest;
```

Compiler (1) Resources Compile Log Debug Find Results Close

Line Col File Message

25 1 C:\Users\sunke\OneDrive\Documents\day2 ass2.cpp [Error] stray '\240' in program

Line: 25 Col: 5 Sel: 0 Lines: 26 Length: 718 Insert Done parsing in 0.015 seconds

28°C Partly cloudy ENG IN 21:37 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2\3que.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TIK-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug ass2day2.cpp day2 ass2.cpp ass2day2 3que.cpp
18     largest = arr[i];
19 } else if (arr[i] > secondLargest && arr[i] < largest) {
20     secondLargest = arr[i];
21 }
22 }
23 for (int i = 0; i < n; i++) {
24     if (arr[i] < smallest) {
25         secondSmallest = smallest;
26         smallest = arr[i];
27     } else if (arr[i] < secondSmallest && arr[i] > smallest) {
28         secondSmallest = arr[i];
29     }
30 }
31 printf("The largest element is: %d\n", largest);
32 printf("The second largest element is: %d\n", secondLargest);
33 printf("The smallest element is: %d\n", smallest);
34 printf("The second smallest element is: %d\n", secondSmallest);
35
36     return 0;
37 }
38 
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass2day2\3que.exe  
- Output Size: 129.1015625 KiB  
- Compilation Time: 0.33s

Line: 36 Col: 3 Sel: 0 Lines: 38 Length: 1190 Insert Done parsing in 0.015 seconds

28°C Partly cloudy ENG IN 21:58 29-03-2023

C:\Users\sunke\OneDrive\Documents\ass2day2\3que.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Default: C:\Users\sunke\OneDrive\Documents\ass2day2\3que.exe

ctrl+alt+f

TIM-GCC 4.9.2 64-bit Release

Project Classes

C:\Users\sunke\OneDrive\Doc X

```
Enter the number of elements: 4
Enter 4 elements:
2
3
4
5
The largest number is: 5
The second largest number is: 4
-----
Process exited after 7.536 seconds with return value 0
Press any key to continue . . . |
```

Compiler

Abort Compilation

Shorten compilation

- Compilation Time: 0.33s

Line: 36 Col: 3 Sel: 0 Lines: 38 Length: 1190 Insert Done parsing in 0.015 seconds

28°C Partly cloudy

Search File Explorer Edge Google Chrome Dev Tools WPS Office

ENG IN 21:58 29-03-2023

C:\Users\sunke\OneDrive\Documents\day2 ass2.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TIK-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug ass2day2.cpp day2 ass2.cpp
6 {
7     if (arr[i] > *largest)
8     {
9         *second_largest = *largest;
10        *largest = arr[i];
11    }
12    else if (arr[i] > *second_largest && arr[i] < *largest)
13    {
14        *second_largest = arr[i];
15    }
16 }
17
18 int main()
19 {
20     int arr[] = {3, 5, 9, 1, 4};
21     int size = sizeof(arr) / sizeof(arr[0]);
22     int largest, second_largest;
23     find_largest_two(arr, size, &largest, &second_largest);
24     printf("Largest: %d, Second Largest: %d\n", largest, second_largest);
25     return 0;
26 }
```

Compiler (1) Resources Compile Log Debug Find Results Close

Line	Col	File	Message
25	1	C:\Users\sunke\OneDrive\Documents\day2 ass2.cpp	[Error] stray '\240' in program

Line: 25 Col: 5 Sel: 0 Lines: 26 Length: 718 Insert Done parsing in 0.015 seconds

28°C Partly cloudy ENG IN 21:37 29-03-2023