

C:\Users\user\Desktop\third.cpp - [Executing] - Dev-C++ 5.11

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IDE-GCC 4.9.2 32-bit Release

(globals)

Project Classes Debug first.cpp second.cpp third.cpp

```
1 // C++ program to demonstrate that array elements
2 // are stored contiguous locations
3
4 #include <iostream>
5 using namespace std;
6
7 int main()
8 {
9     // an array of 10 integers.
10    // If arr[0] is stored at
11    // address x, then arr[1] is
12    // stored at x + sizeof(int)
13    // arr[2] is stored at x +
14    // sizeof(int) + sizeof(int)
15    // and so on.
16    int arr[5], i;
17
18    cout << "Size of integer in this compiler is "
19    << sizeof(int) << "\n";
20
21    for (i = 0; i < 5; i++)
22    // The use of '&' before a variable name, yields
23    // address of variable.
24    cout << "Address arr[" << i << "] is " << &arr[i]
25    << "\n";
26
27    return 0;
28 }
29
```

C:\Users\user\Desktop\third.exe

```
Size of integer in this compiler is 4
Address arr[0] is 0x6dfe78
Address arr[1] is 0x6dfe7c
Address arr[2] is 0x6dfe80
Address arr[3] is 0x6dfe84
Address arr[4] is 0x6dfe88
```

```
-----
Process exited after 0.1613 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results

Line: 29 Col: 1 Sel: 0 Lines: 29 Length: 653 Insert Done parsing in 0.016 seconds

Type here to search



15:26 15/03/2021

C:\Users\user\Desktop\first.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 32-bit Release

Project Classes Debug

first.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     int arr[5];
7     arr[0] = 5;
8     arr[2] = -10;
9
10    // this is same as arr[1] = 2
11    arr[3 / 2] = 2;
12    arr[3] = arr[0];
13
14    cout << arr[0] << " " << arr[1] << " " << arr[2] << " "
15         << arr[3];
16
17    return 0;
18 }
19
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\first.exe
- Output Size: 1.30216029022217 MiB
- Compilation Time: 3.28s

Line: 19 Col: 1 Sel: 0 Lines: 19 Length: 280 Insert Done parsing in 0.453 seconds

C:\Users\user\Desktop\first.exe

5 2 -10 5

Process exited after 0.1165 seconds with return value 0
Press any key to continue . . .

Type here to search

15:22
15/03/2021

```
1 #include<bits/stdc++.h>
2 using namespace std;
3
4 int main()
5 {
6     int arr[6]={11,12,13,14,15,16};
7     // Way -1
8     for(int i=0;i<6;i++)
9         cout<<arr[i]<<" ";
10
11 cout<<endl;
12 // Way 2
13 cout<<"By Other Method:"<<endl;
14 for(int i=0;i<6;i++)
15     cout<<i[arr]<<" ";
16
17 cout<<endl;
18
19 return 0;
20 }
21
22 // Contributed by Akshay Pawar ( Username - akshaypawar4)
23
```

```
11 12 13 14 15 16
By Other Method:
11 12 13 14 15 16
```

```
-----
Process exited after 0.1271 seconds with return value 0
Press any key to continue . . .
```