



data structure teja\array operations.cpp - [Executing] - Dev-C++ 5.11

Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

data structure sum of fibino series 3.cpp data odd and even 3.cpp location of the element in an element.cpp registration nuber.cpp merging...  
[\*] valid string.cpp [\*] reverse a num in 32 bits.cpp matrix multiplication.cpp rows and columns in an array.cpp

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 void insertElement(int **arr, int *size, int element) {
4     (*size)++;
5     *arr = (int *)realloc(*arr, (*size) * sizeof(int));
6     (*arr)[(*size) - 1] = element;
7     printf("Element %d inserted at index %d.\n", element, (*size) - 1);
8 }
9 void deleteElement(int **arr, int *size, int index) {
10     if (index < 0 || index >= *size) {
11         printf("Invalid index! Deletion failed.\n");
12         return;
13     }
14     int i;
15     for (i = index; i < (*size) - 1; i++) {
16         (*arr)[i] = (*arr)[i + 1];
17     }
18     (*size)--;
19     *arr = (int *)realloc(*arr, (*size) * sizeof(int));
20     printf("Element at index %d deleted.\n", index);
21 }
22 void displayArray(int *arr, int size) {
23     if (size == 0) {
24         printf("The array is empty.\n");
25         return;
26     }
27     printf("Array elements: ");
28     for (int i = 0; i < size; i++) {
29         printf("%d ", arr[i]);
30     }
31     printf("\n");
32 }
33 int main() {
34     int *arr = NULL;
```

```
C:\Users\HP\Desktop...
-- Array Operations Menu --
1. Insert element
2. Delete element by index
3. Display array
0. Exit
Enter your choice: 1
Enter the element to insert: 35
Element 35 inserted at index 0.

-- Array Operations Menu --
1. Insert element
2. Delete element by index
3. Display array
0. Exit
Enter your choice: 1
```

resources Compile Log Debug Find Results Close

Compilation results...  
-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\HP\Desktop\data srtucture teja\array operations.exe  
- Output Size: 130.75390625 KiB  
- Compilation Time: 0.34s

6 Set 0 Lines: 70 Length: 2117 Insert Done parsing in 0.015 seconds

data structure teja\array operations.cpp - [Executing] - Dev-C++ 5.11

File Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

data structure sum of fibino series 3.cpp data odd and even 3.cpp location of the element in an element.cpp registration nuber.cpp

[\*] valid string.cpp [\*] reverse a num in 32 bits.cpp matrix multiplication.cpp rows and columns in an array.cpp

```
31 }
32 }
33 int main() {
34     int *arr = NULL;
35     int size = 0;
36     int choice, element, index;
37     do {
38         printf("\n-- Array Operations Menu --\n");
39         printf("1. Insert element\n");
40         printf("2. Delete element by index\n");
41         printf("3. Display array\n");
42         printf("0. Exit\n");
43         printf("Enter your choice: ");
44         scanf("%d", &choice);
45         switch (choice) {
46             case 1:
47                 printf("Enter the element to insert: ");
48                 scanf("%d", &element);
49                 insertElement(&arr, &size, element);
50                 break;
51             case 2:
52                 printf("Enter the index to delete element: ");
53                 scanf("%d", &index);
54                 deleteElement(&arr, &size, index);
55                 break;
56             case 3:
57                 displayArray(arr, size);
58                 break;
59             case 0:
60                 printf("Exiting the program.\n");
61                 break;
62             default:
63                 printf("Invalid choice. Please try again.\n");
64                 break;
65         }
66     } while (choice != 0);
}
```

C:\Users\HP\Desktop...

```
-- Array Operations Menu --
1. Insert element
2. Delete element by index
3. Display array
0. Exit
Enter your choice: 1
Enter the element to insert: 35
Element 35 inserted at index 0.

-- Array Operations Menu --
1. Insert element
2. Delete element by index
3. Display array
0. Exit
Enter your choice: 
```

Resources Compile Log Debug Find Results Close

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\HP\Desktop\data structure teja\array operations.exe
- Output Size: 130.75390625 KiB
- Compilation Time: 0.34s
```



C:\Users\HP\Desktop\data structure teja\array operations.cpp - [Executing] - Dev-C++ 5.11

Edit Search View Project Execute Tools AStyle Window Help

Debugger toolbar icons and TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug data structure sum of fibino series 3.cpp data odd and even 3.cpp location of the element in an element.cpp registration nuber.cpp merge  
[\*] valid string.cpp [\*] reverse a num in 32 bits.cpp matrix multiplication.cpp rows and columns in an array.cpp

```
35 int size = 0;
36 int choice, element, index;
37 do {
38     printf("\n-- Array Operations Menu --\n");
39     printf("1. Insert element\n");
40     printf("2. Delete element by index\n");
41     printf("3. Display array\n");
42     printf("0. Exit\n");
43     printf("Enter your choice: ");
44     scanf("%d", &choice);
45     switch (choice) {
46     case 1:
47         printf("Enter the element to insert: ");
48         scanf("%d", &element);
49         insertElement(arr, &size, element);
50         break;
51     case 2:
52         printf("Enter the index to delete element: ");
53         scanf("%d", &index);
54         deleteElement(arr, &size, index);
55         break;
56     case 3:
57         displayArray(arr, size);
58         break;
59     case 0:
60         printf("Exiting the program.\n");
61         break;
62     default:
63         printf("Invalid choice. Please try again.\n");
64         break;
65     }
66     while (choice != 0);
67     free(arr);
68     return 0;
69 }
70 }
```

C:\Users\HP\Desktop\...

```
-- Array Operations Menu --
1. Insert element
2. Delete element by index
3. Display array
0. Exit
Enter your choice: 1
Enter the element to insert: 35
Element 35 inserted at index 0.

-- Array Operations Menu --
1. Insert element
2. Delete element by index
3. Display array
0. Exit
Enter your choice: 0
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\HP\Desktop\data structure teja\array operations.exe
- Output Size: 130.75390625 KiB
- Compilation Time: 0.34s
```

Shorten compiler paths