

Online C Compiler

Remove an element from an array

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main.c

Run

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main ()
5 {
6     // declaration of the int type variable
7     int arr[50];
8     int pos, i, num; // declare int type variable
9     printf ( " \n Enter the number of elements in an array: \n ");
10    scanf ( " %d", &num);
11
12    printf ( " \n Enter %d elements in array: \n ", num);
13
14    // use for loop to insert elements one by one in array
15    for (i = 0; i < num; i++ )
16    { printf ( " arr[%d] = ", i);
17      scanf ( " %d", &arr[i]);
18    }
19
20    // enter the position of the element to be deleted
21    printf( " Define the position of the array element where you
22    want to delete: \n ");
23    scanf ( " %d", &pos);
```

Output

Clear

```
/tmp/rscXHru0Ur.o
Enter the number of elements in an array:
5
Enter 5 elements in array:
arr[0] = 3
arr[1] = 2
arr[2] = 6
arr[3] = 5
arr[4] = 5
Define the position of the array element where you want to delete:
2
```

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Remove an element from an array

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Run

Output

Clear

```
22 want to delete: \n ");
23 scanf ("%d", &pos);
24 // check whether the deletion is possible or not
25 if (pos >= num+1)
26 {
27     printf (" \n Deletion is not possible in the array.");
28 }
29 else
30 {
31     // use for loop to delete the element and update the index
32     for (i = pos - 1; i < num - 1; i++)
33     {
34         arr[i] = arr[i+1]; // assign arr[i+1] to arr[i]
35     }
36
37     printf (" \n The resultant array is: \n");
38
39     // display the final array
40     for (i = 0; i < num - 1; i++)
41     {
42         printf (" arr[%d] = ", i);
43         printf ("%d \n", arr[i]);
44     }
45 }
```

```
/tmp/rscXHru0Ur.o
Enter the number of elements in an array:
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2
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Output

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```
27 // deletion is not possible in the array.
28 }
29 else
30 {
31     // use for loop to delete the element and update the index
32     for (i = pos - 1; i < num - 1; i++)
33     {
34         arr[i] = arr[i+1]; // assign arr[i+1] to arr[i]
35     }
36
37     printf (" \n The resultant array is: \n");
38
39     // display the final array
40     for (i = 0; i < num - 1; i++)
41     {
42         printf (" arr[%d] = ", i);
43         printf (" %d \n", arr[i]);
44     }
45 }
46 return 0;
47 }
48
49
```

```
/tmp/rscXHru0Uc.o
Enter the number of elements in an array:
5
Enter 5 elements in array:
arr[0] = 3
arr[1] = 2
arr[2] = 6
arr[3] = 5
arr[4] = 5
Define the position of the array element where you want to delete:
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```

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C program to print the smallest × Online C Compiler × +

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main.c

Run

Output

Clear

```
1 #include <stdio.h>
2
3
4 int main()
5 {
6     //Initialize array
7     int arr[] = {5, 4, 7, 9, 6};
8
9     //Calculate length of array arr
10    int length = sizeof(arr)/sizeof(arr[0]);
11
12    //Initialize min with first element of array.
13    int min = arr[0];
14
15    //Loop through the array
16    for (int i = 0; i < length; i++) {
17        //Compare elements of array with min
18        if(arr[i] < min)
19            min = arr[i];
20    }
21    printf("Smallest element present in given array: %d\n", min);
22
23    return 0;
24 }
```

```
//tmp/ANShgPQnd1.o
Smallest element present in given array: 4
```

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C program to print the sum of all...Online C Compiler

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main.c

Run

```
1 // Online C compiler to run C program online.
2 #include <stdio.h>
3
4 int main()
5 {
6     //Initialize array
7     int arr[] = {8, 6, 9, 3, 8};
8     int sum = 0;
9
10    //Calculate length of array arr
11    int length = sizeof(arr)/sizeof(arr[0]);
12
13    //Loop through the array to calculate sum of elements
14    for (int i = 0; i < length; i++) {
15        sum = sum + arr[i];
16    }
17    printf("Sum of all the elements of an array: %d", sum);
18    return 0;
19 }
```

Output

Clear

```
/tmp/ANShgPQnd1.o
Sum of all the elements of an array: 34
```

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How to Add Matrix in C - javatpointOnline C Compiler

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Run

Output

Clear

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main() {
5     int matrix[3][3] = {{1, 2, 3}, {4, 5, 6}, {7, 8, 9}};
6
7     printf("Matrix created using an array:\n");
8     for (int i = 0; i < 3; i++) {
9         for (int j = 0; j < 3; j++) {
10             printf("%d ", matrix[i][j]);
11         }
12         printf("\n");
13     }
14     return 0;
15 }
```

```
/tmp/ANShgPQnd1.o
Matrix created using an array:
1 2 3
4 5 6
7 8 9
```

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Matrix multiplication in C - java | X

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main.c

Run

Output

Clear

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main(){
5     int a[10][10],b[10][10],mul[10][10],r,c,i,j,k;
6     system("cls");
7     printf("enter the number of row=");
8     scanf("%d",&r);
9     printf("enter the number of column=");
10    scanf("%d",&c);
11    printf("enter the first matrix element=\n");
12    for(i=0;i<r;i++)
13    {
14        for(j=0;j<c;j++)
15        {
16            scanf("%d",&a[i][j]);
17        }
18    }
19    printf("enter the second matrix element=\n");
20    for(i=0;i<r;i++)
21    {
22        for(j=0;j<c;j++)
```

```
/tmp/ANShgPQnd1.o
Matrix created using an array:
1 2 3
4 5 6
7 8 9
```

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The screenshot shows the Programiz Online C Compiler interface. The code editor on the left contains a C program for matrix multiplication. The program defines a 3x3 matrix 'a' with values 1, 2, 3 in the first row, 4, 5, 6 in the second row, and 7, 8, 9 in the third row. It then multiplies this matrix by a 3x1 column vector 'b' with values 1, 2, 3. The result is printed as a 3x1 column vector. The output window on the right shows the execution result: 'Matrix created using an array:' followed by the values 1 2 3, 4 5 6, and 7 8 9, each on a new line. The interface includes a 'Run' button and a 'Clear' button. The browser's address bar shows 'programiz.com/c-programming/online-compiler/'.