



Programiz PRO >

- Icons for various programming languages and tools: C, C++, Java, JavaScript, PHP, Python, Ruby, Swift, Kotlin, Go, Rust, Julia, F#, Haskell, Scala, R, Perl, Lua, Swift, Kotlin, Go, Rust, Julia, F#, Haskell, Scala, R, Perl, Lua.

main.c

Share Run

Output

Clear

```
1 #include <stdio.h>
2 void selectionSort(int arr[], int n) {
3     int i, j, min_idx, temp;
4     for (i = 0; i < n-1; i++) {
5         min_idx = i;
6         for (j = i+1; j < n; j++)
7             if (arr[j] < arr[min_idx])
8                 min_idx = j;
9         temp = arr[min_idx];
10        arr[min_idx] = arr[i];
11        arr[i] = temp;
12    }
13 }
14 void printArray(int arr[], int size) {
15     int i;
16     for (i = 0; i < size; i++)
17         printf("%d ", arr[i]);
18     printf("\n");
19 }
20 int main() {
21     int arr[] = {64, 25, 12, 22, 11};
22     int n = sizeof(arr)/sizeof(arr[0]);
23     printf("Unsorted array: \n");
24     printArray(arr, n);
25     selectionSort(arr, n);
26     printf("Sorted array: \n");
27     printArray(arr, n);
28     return 0;
29 }
```

```
/tmp/3nJEUSx3Sk.o
Unsorted array:
64 25 12 22 11
Sorted array:
11 12 22 25 64

=== Code Execution Successful ===
```



- Icons for various programming languages: C, C++, Java, JavaScript, Python, PHP, and others.

main.c

Icons for full screen, settings, share, and a blue 'Run' button.

Output

Clear

```
1 #include <stdio.h>
2 void bubbleSort(int arr[], int n) {
3     int i, j, temp;
4     for (i = 0; i < n-1; i++) {
5         for (j = 0; j < n-i-1; j++) {
6             if (arr[j] > arr[j+1]) {
7                 temp = arr[j];
8                 arr[j] = arr[j+1];
9                 arr[j+1] = temp;
10            }
11        }
12    }
13 }
14 void printArray(int arr[], int size) {
15     int i;
16     for (i = 0; i < size; i++)
17         printf("%d ", arr[i]);
18     printf("\n");
19 }
20 int main() {
21     int arr[] = {64, 34, 25, 12, 22, 11, 90};
22     int n = sizeof(arr)/sizeof(arr[0]);
23     printf("Unsorted array: \n");
24     printArray(arr, n);
25     bubbleSort(arr, n);
26     printf("Sorted array: \n");
27     printArray(arr, n);
28     return 0;
29 }
```

```
/tmp/BNIsqYKZTm.o
Unsorted array:
64 34 25 12 22 11 90
Sorted array:
11 12 22 25 34 64 90
```

=== Code Execution Successful ===