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main.c

Output



```
1  #include <stdio.h>
2
3  int main() {
4      // Initialize an array
5      int arr[] = {23, 12, 45, 20, 90
6                  , 89, 95, 32, 65, 19};
7
8      int n = sizeof(arr) / sizeof
9              (arr[0]);
10
11     int max_element = arr[0];
12
13     for (int i = 1; i < n; i++) {
14         if (arr[i] > max_element) {
15             max_element = arr[i];
16         }
17     }
18
19
20     printf("Array Elements: ").
21     for (int i = 0; i < n;
22         printf("%d ", arr[i]);
```

Run

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main.c

Output



```
8      int n = sizeof(arr) / sizeof
          (arr[0]);
9      int max_element = arr[0];
10
11
12  for (int i = 1; i < n; i++) {
13
14      if (arr[i] > max_element) {
15          max_element = arr[i];
16      }
17  }
18
19
20  printf("Array Elements: ");
21  for (int i = 0; i < n; i++) {
22      printf("%d ", arr[i]);
23  }
24  printf("\n");
25
26
27  printf("The maximum element in
          the array is: %d\n"
          max_element);
```

Run



main.c

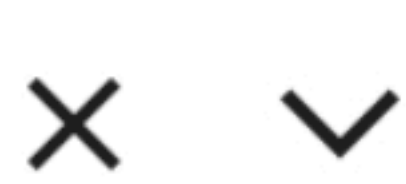
Output



```
Array Elements: 23 12 45 20 90 89 95 32
                65 19
```

```
The maximum element in the array is: 95
```

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

main.c

Output



```
1  #include <stdio.h>
2
3  int main() {
4
5      int arr[] = {10, 20, 30, 40,
6                  50};
7
8      int n = sizeof(arr) / sizeof
9              (arr[0]);
10
11     int sum = 0;
12
13     for (int i = 0; i < n; i++) {
14
15         sum += arr[i];
16     }
17
18     printf("The sum of array
19           elements is: %d\n", sum);
20
21     return 0;
22 }
```

Run

9:24



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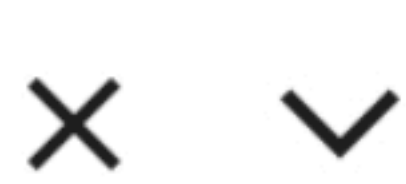
main.c

Output



The sum of array elements is: 150

=== Code Execution Successful ===



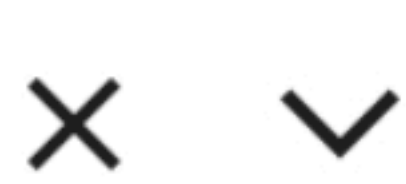
main.c

Output



```
1  #include <stdio.h>
2
3  void reverseArray(int arr[], int
    size) {
4      int left = 0;
5      int right = size - 1;
6      int temp;
7
8      while (left < right) {
9
10         temp = arr[left];
11         arr[left] = arr[right];
12         arr[right] = temp;
13
14
15         left++;
16         right--;
17     }
18 }
19
20 int main() {
21     int arr[] = {1, 2, 3, 4, 5};
22     int size = sizeof(arr) / sizeof
        (arr[0]);
23
24     printf("Original array: ");
```

Run



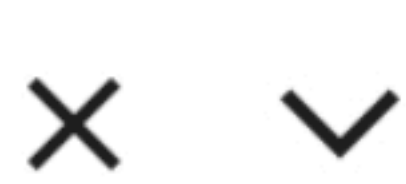
main.c

Output



```
19
20 ▾ int main() {
21     int arr[] = {1, 2, 3, 4, 5};
22     int size = sizeof(arr) / sizeof
        (arr[0]);
23
24     printf("Original array: ");
25 ▾ for (int i = 0; i < size; i++)
        {
26         printf("%d ", arr[i]);
27     }
28     printf("\n");
29
30
31     reverseArray(arr, size);
32
33     printf("Reversed array: ");
34 ▾ for (int i = 0; i < size; i++)
        {
35         printf("%d ", arr[i]);
36     }
37     printf("\n");
38
39     return 0;
40 }
41
```

Run



main.c

Output



Original array: 1 2 3 4 5

Reversed array: 5 4 3 2 1

=== Code Execution Successful ===