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CLASS	ME-15
SECTION	C
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(1)

```
#include <bits/stdc++.h>
using namespace std;
int main() {
    int n;
    cout << "Enter the number of terms:" << endl;
    cin >> n;
    if (n > 0) {
```

```
        int numbers[n];
        int sum = 0;
        cout << "Enter " << n << " numbers:" << endl;
        for (int i = 0; i < n; ++i) {
            cin >> numbers[i];
            sum += numbers[i];
        }
        float average = (sum) / n;
        cout << "Average: " << average << endl;
    } else {
        cout << "Number of terms should be greater than 0." << endl;
    }
    return 0;
}
```

(2)

```
#include <iostream>
using namespace std ;
int main() {
    int arr[] = {5, 2, 9, 1, 5};
    int n = sizeof(arr) / sizeof(arr[0]);

    for (int i = 0; i < n - 1; ++i) {
        for (int j = 0; j < n - i - 1; ++j) {
            if (arr[j] > arr[j + 1]) {

                swap(arr[j], arr[j + 1]);
            }
        }
    }

    cout << "Sorted array: ";
```

```
    for (int i = 0; i < n; ++i) {
        cout << arr[i] << " ";
    }

    return 0;
}
```

(3)

```
#include <iostream>
using namespace std;
auto selectionSort(int arr[], int n) {
    for (int i = 0; i < n - 1; ++i) {
        int minIndex = i;
        for (int j = i + 1; j < n; ++j) {
            if (arr[j] < arr[minIndex]) {
                minIndex = j;
            }
        }
        swap(arr[i], arr[minIndex]);
    }
}
int main() {
    int myArray[5] = {5, 2, 9, 1, 6};
    int size = sizeof(myArray) / sizeof(myArray[0]);

    selectionSort(myArray, size);
    for (int i = 0; i < size; ++i) {
        cout << myArray[i] << " ";
    }

    return 0;
```

```
}
```