```cpp
#include <iostream>
using namespace std;

int main() {
    //Question1: Average
    int n, x;
    double avg;
    double sum = 0;
    cout << "Enter the size of array ";
    cin >> n;
    int arr1[n] = {};
    for (int i = 0; i < n; i++) {
        cin >> x;
        arr1[i] = x;
    }
    cout << "The array is: ";
    for (int j = 0; j < n; j++) {
        cout << arr1[j] << " ";
    }
    cout << endl;
    for (int k = 0; k < n; k++) {
        sum = sum + arr1[k];
    }
    avg = sum / n;
    cout << "The average is: " << avg;

    //Question2: Bubble sort
    int temp;
    int arr2[5] = { 4,3,7,5,11 };
    cout << "The array is: ";
    for (int p = 0; p < 5; p++) {
        cout << arr2[p] << " ";
    }
    for (int a = 0; a < 5; a++) {
        for (int b = a + 1; b < 5; b++) {
            if (arr2[b] < arr2[a]) {
                temp = arr2[a];
                arr2[a] = arr2[b];
                arr2[b] = temp;
            }
        }


    }
    for (int c = 0; c < 5; c++) {
        cout << arr2[c] << " ";
    }

    //Question3: Selection sort
    int arr3[5] = {};
    int x1;
    cout << "Enter elements for array: ";
    for (int d = 0; d < 5; d++) {
        cin >> x1;
        arr3[d] = x1;
    }
 cout << "The unsorted array is: ";
 for (int q = 0; q < 5; q++) {
     cout << arr3[q] << " ";
 }
cout << endl;
    int min = 0;
```

```cpp
    for (int x = 0; x < 5; x++) {
        min = arr3[x];
        for (int y = x; y < 5; y++) {
            if (min > arr3[y]) {
                min = arr3[y];
                arr3[y] = arr3[x];
                arr3[x] = min;
            }
        }
    }
    cout << "The selection sorted array is: ";
    for (int l = 0; l < 5; l++) {
        cout << arr3[l] << " ";
    }
}
```

Question1

Output

/tmp/8dpBQtxtmI.o
Enter the size of array 5
2
5
7
8
9
The array is: 2 5 7 8 9
The average is: 6.2

Question2

Output

/tmp/8dpBQtxtmI.o
The array is: 4 3 7 5 11
The bubble sorted array is: 3 4 5 7 11

Question3

Output

```
/tmp/8dpBQtxtmI.o
Enter elements for array: 13
11
14
10
9
The unsorted array is: 13 11 14 10 9
The selection sorted array is: 9 10 11 13 14
```