Write a function template for

Selection sort that inputs, sorts and

Outputs an integer array and a float

Array in cpp—

#include <iostream>

Using namespace std;

// Template function for selection sort

Template <typename T>

Void selectionSort(T arr[], int size) {

For (int I = 0; I < size – 1; ++i) {

Int minIndex = I;

For (int j = I + 1; j < size; ++j) {

If (arr[j] < arr[minIndex]) {

minIndex = j;

}

}

// Swap the found minimum element with the first element

T temp = arr[minIndex];

Arr[minIndex] = arr[i];

Arr[i] = temp;

}

}

// Function to print an array

Template <typename T>

Void printArray(T arr[], int size) {

For (int I = 0; I < size; ++i) {

Cout << arr[i] << “ “;

}

Cout << endl;

}

Int main() {

// Integer array

Int intArr[] = {64, 25, 12, 22, 11};

Int intSize = sizeof(intArr) / sizeof(intArr[0]);

Cout << “Original integer array: “;

printArray(intArr, intSize);

selectionSort(intArr, intSize);

cout << “Sorted integer array: “;

printArray(intArr, intSize);

// Float array

Float floatArr[] = {64.5, 25.3, 12.7, 22.1, 11.9};

Int floatSize = sizeof(floatArr) / sizeof(floatArr[0]);

Cout << “Original float array: “;

printArray(floatArr, floatSize);

selectionSort(floatArr, floatSize);

cout << “Sorted float array: “;

printArray(floatArr, floatSize);

return 0;

}