B3] Write a function template for selection sort that inputs, sorts and outputs an integer array and a float array. Link\*\*\*\*\* https://www.programiz.com/online-compiler/9qbWtxJjB5Ayd

#include<iostream>

using namespace std;

int n;

#define size 10

template<class T>

void sel(T A[size]) {

int i, j, min;

T temp;

for(i = 0; i < n - 1; i++) {

min = i;

for(j = i + 1; j < n; j++) {

if(A[j] < A[min])

min = j;

}

temp = A[i];

A[i] = A[min];

A[min] = temp;

}

cout << "\nSorted array:";

for(i = 0; i < n; i++) {

cout << " " << A[i];

}

}

int main() {

int A[size];

float B[size];

int i;

int ch;

do {

cout << "\n\* \* \* \* \* SELECTION SORT SYSTEM \* \* \* \* \*";

cout << "\nMENU";

cout << "\n1. Integer Values";

cout << "\n2. Float Values";

cout << "\n3. Exit";

cout << "\n\nEnter your choice: ";

cin >> ch;

switch(ch) {

case 1:

cout << "\nEnter total number of int elements:";

cin >> n;

cout << "\nEnter int elements:";

for(i = 0; i < n; i++) {

cin >> A[i];

}

sel(A);

break;

case 2:

cout << "\nEnter total number of float elements:";

cin >> n;

cout << "\nEnter float elements:";

for(i = 0; i < n; i++) {

cin >> B[i];

}

sel(B);

break;

case 3:

exit(0);

}

} while(ch != 3);

return 0;

}