Implement a list using array and develop functions to perform deletion in c .

#include <stdio.h>

#define MAX\_SIZE 100 // maximum size of list

int list[MAX\_SIZE]; // array to store list elements

int length = 0; // current length of list

// function to add an element to the end of the list

void add(int element) {

if (length < MAX\_SIZE) {

list[length++] = element;

}

}

// function to remove an element from the list

void removeElement(int index) {

if (index < length) {

for (int i = index; i < length - 1; i++) {

list[i] = list[i+1];

}

length--;

}

}

// function to print the current list elements

void printList() {

printf("List: ");

for (int i = 0; i < length; i++) {

printf("%d ", list[i]);

}

printf("\n");

}

int main() {

add(1);

add(2);

add(3);

add(4);

add(5);

printList(); // output: List: 1 2 3 4 5

removeElement(2); // remove element at index 2

printList(); // output: List: 1 2 4 5

removeElement(0); // remove element at index 0

printList(); // output: List: 2 4 5

return 0;

}

