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Programming Test 1

Array insertion & deletion

① #include <stdio.h>

void insert element (int arr[], int n, int pos, int value) {

for (int i = n; i > pos; i--) {

arr[i] = arr[i-1];

}

arr[pos] = value;

}

void delete element (int arr[], int n, int pos) {

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

arr[i] = arr[i+1];

}

}

int main () {

int arr[100] = {1, 2, 3, 4, 5};

int n = 5;

insert element (arr, n, 2, 99);

n++;

printf ("Array after insertion: ");

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

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

}

printf ("\n");

delete element (arr, n, 3);

n--;

printf ("Array after deletion: ");

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

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

}

return 0;

Array after insertion : 1 2 99 3 4 5

Array after deletion : 1 2 99 4 5