7) Write a C program to implement Array operations such as Insert, Delete and Display

#include <stdio.h>

#define MAX\_SIZE 100

int main()

{

int arr[MAX\_SIZE];

int i, n, pos, value;

printf("Enter size of array: ");

scanf("%d", &n);

printf("Enter elements in array:\n");

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

{

scanf("%d", &arr[i]);

}

printf("Enter element position to insert: ");

scanf("%d", &pos);

printf("Enter element to insert: ");

scanf("%d", &value);

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

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

arr[pos-1] = value;

n++;

printf("Array after insertion: ");

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

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

printf("\nEnter the element position to delete: ");

scanf("%d", &pos);

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

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

n--;

printf("Array after deletion: ");

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

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

return 0;

}

