

```
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                                                      Share
main.c
                                                                   Run
                                                                             Output
                                                                                                                                                Clear
   #include <stdio.h>
                                                                          /tmp/3eNlbcXrdq.o
    void insertElement(int arr[], int n, int pos, int value) {
                                                                            Array after insertion: 1 2 99 3 4 5
        for (int i = n; i > pos; i--) {
                                                                            Array after deletion: 1 2 99 4 5
            arr[i] = arr[i - 1];
                                                                            === Code Execution Successful ===
        arr[pos] = value;
7 }
   void deleteElement(int arr[], int n, int pos) {
        for (int i = pos; i < n - 1; i++) {
            arr[i] = arr[i + 1];
10
11
12
   int main() {
14
        int arr[100] = \{1, 2, 3, 4, 5\};
15
        int n = 5;
16
        insertElement(arr, n, 2, 99);
17
        n++;
        printf("Array after insertion: ");
18
        for (int i = 0; i < n; i++) {
19
20
            printf("%d ", arr[i]);
21
22
        printf("\n");
23
        deleteElement(arr, n, 3);
24
        n--;
        printf("Array after deletion: ");
25
26
        for (int i = 0; i < n; i++) {
```

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                                                      ∝ Share
                                                                              Output
main.c
                                                                   Run
                                                                                                                                                Clear
    #include imits h>
    #include <stdio.h>
                                                                            10 pushed to stack
    #include <stdlib.h>
                                                                            20 pushed to stack
    struct Stack
                                                                            30 pushed to stack
                                                                            30 popped from stack
        int top;
        unsigned capacity;
                                                                            === Code Execution Successful ===
        int* array;
 9
    };
    struct Stack* createStack(unsigned capacity)
11 - {
        struct Stack* stack = (struct Stack*)malloc(sizeof(struct Stack
12
            )):
        stack->capacity = capacity;
13
14
        stack->top = -1;
15
        stack->array = (int*)malloc(stack->capacity * sizeof(int));
16
        return stack;
17
    int isFull(struct Stack* stack)
19
20
        return stack->top == stack->capacity - 1;
21
    int isEmpty(struct Stack* stack)
23
24
        return stack->top == -1;
25 }
```