main.c

Share Run

```c
//DAY 34
//Q67
#include <stdio.h>
int main() {
    int arr[100], n, i, pos, num;
    printf("Enter the number of elements in the array: ");
    scanf("%d", &n);

    printf("Enter %d elements:\n", n);
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    printf("Enter the position where you want to insert (1 to %d): ", n + 1);
    scanf("%d", &pos);

    printf("Enter the element to insert: ");
    scanf("%d", &num);

    if(pos < 1 || pos > n + 1) {
        printf("Invalid position! Insertion not possible.\n");
    } else {
        for(i = n; i >= pos; i--) {
            arr[i] = arr[i - 1];
        }
        arr[pos - 1] = num;
        n++;

        printf("Array after insertion:\n");
        for(i = 0; i < n; i++) {
            printf("%d ", arr[i]);
        }
        printf("\n");
    }
     return 0;
```

Output

```
Enter the number of elements in the array: 4
Enter 4 elements:
10 20 30 40
Enter the position where you want to insert (1 to 5): 2
Enter the element to insert: 15
Array after insertion:
10 15 20 30 40


=== Code Execution Successful ===
```

main.c

Share Run

```c
//DAY 34
//Q68
#include <stdio.h>
int main() {
    int arr[100], n, i, pos;

    printf("Enter the number of elements in the array: ");
    scanf("%d", &n);

    printf("Enter %d elements:\n", n);
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }

    printf("Enter the position of the element to delete (1 to %d): ", n);
    scanf("%d", &pos);

    if(pos < 1 || pos > n) {
        printf("Invalid position! Deletion not possible.\n");
    } else {
        // Shift elements to the left
        for(i = pos - 1; i < n - 1; i++) {
            arr[i] = arr[i + 1];
        }
        n--;

        printf("Array after deletion:\n");
        for(i = 0; i < n; i++) {
            printf("%d ", arr[i]);
        }
        printf("\n");
    }
    return 0;
}
```

Output

```
Enter the number of elements in the array: 5
Enter 5 elements:
1 2 3 4 5
Enter the position of the element to delete (1 to 5): 2
Array after deletion:
1 3 4 5


=== Code Execution Successful ===
```