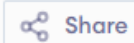


main.c



Run

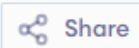
Output

```
1 //DAY 34
2 //Q67
3 #include <stdio.h>
4 int main() {
5     int arr[100], n, i, pos, num;
6     printf("Enter the number of elements in the array: ");
7     scanf("%d", &n);
8
9     printf("Enter %d elements:\n", n);
10    for(i = 0; i < n; i++) {
11        scanf("%d", &arr[i]);
12    }
13    printf("Enter the position where you want to insert (1 to %d): ", n + 1);
14    scanf("%d", &pos);
15
16    printf("Enter the element to insert: ");
17    scanf("%d", &num);
18
19    if(pos < 1 || pos > n + 1) {
20        printf("Invalid position! Insertion not possible.\n");
21    } else {
22        for(i = n; i >= pos; i--) {
23            arr[i] = arr[i - 1];
24        }
25        arr[pos - 1] = num;
26        n++;
27
28        printf("Array after insertion:\n");
29        for(i = 0; i < n; i++) {
30            printf("%d ", arr[i]);
31        }
32        printf("\n");
33    }
34    return 0;
```

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



Run

Output

```
1 //DAY 34
2 //Q68
3 #include <stdio.h>
4 int main() {
5     int arr[100], n, i, pos;
6
7     printf("Enter the number of elements in the array: ");
8     scanf("%d", &n);
9
10    printf("Enter %d elements:\n", n);
11    for(i = 0; i < n; i++) {
12        scanf("%d", &arr[i]);
13    }
14
15    printf("Enter the position of the element to delete (1 to %d): ", n);
16    scanf("%d", &pos);
17
18    if(pos < 1 || pos > n) {
19        printf("Invalid position! Deletion not possible.\n");
20    } else {
21        // Shift elements to the left
22        for(i = pos - 1; i < n - 1; i++) {
23            arr[i] = arr[i + 1];
24        }
25        n--;
26
27        printf("Array after deletion:\n");
28        for(i = 0; i < n; i++) {
29            printf("%d ", arr[i]);
30        }
31        printf("\n");
32    }
33    return 0;
34 }
```

```
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 ===