

# Solution Code

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/* C program to insert element in an array at specified position */
#include <stdio.h>
int main(){
    int arr[100];
    int i, size, num, position;
    printf("Enter size of the array : ");
    scanf("%d", &size);
    printf("\nEnter %d elements in array :: \n",size);
    for(i=0; i<size; i++) {
        printf("\nEnter %d element in array :: ",i+1);
        scanf("%d", &arr[i]); }
    printf("\nEnter element to insert : ");
    scanf("%d", &num);
    printf("\nEnter the element position : ");
    scanf("%d", &position);
    if(position>size+1 || position<=0) {
        printf("\nInvalid position! Please enter position between 1 to %d", size); }
    else {
        for(i=size; i>=position; i--){
            arr[i] = arr[i-1];
        }
        arr[position-1] = num;
        size++;
        printf("\nArray elements after insertion :: ");
        for(i=0; i<size; i++){
            printf(" %d ", arr[i]);
        }
    }
    return 0;
}
```