

In an array, insertion is the process of inserting one or more elements.

In an array, insertion can be performed at

- Before first element
- After last element
- At any place

Insertion operation, before first element:

```
#include<stdio.h>

int main()
{
    int arr[5], n, i, element;

    printf("Enter the size of array\n");
    scanf("%d", &n);

    printf("\nEnter %d Elements in array\n",n);
    for(i=0;i<5;i++)
    {
        scanf("%d", &arr[i]);
    }

    printf("\nEnter the element at the beginning\n");
    scanf("%d", &element);
    n++;

    for(i=n; i>1; i--)
    {
```

```
        arr[i-1]=arr[i-2];
    }

    arr[0]=element;
    printf("After insertion, array elements");

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

    return 0;
}
```

Output

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