

Algorithm Print prints array elements in one line

Input A Array , N umber of elements

Output Printed array

```
Print(A,N)
    print("Array elements is :")
    for i <N
        print(A[i] )
    end for
End
```

Algorithm Insert insert new element in array

Input A Array , N umber of elements , e new element, I position

```
INSERT(A,N ,e,i)
    if (i < N)
        for J from N to i
            Arr[j + 1] = Arr[j]
        End for
        Arr[i] = e
    end
```

Algorithm search search for element in array

Input A Array , N umber of elements , e element

Output index of element if found or -1 if not found

```
search(A,N ,e)
    for J<N
        if (Arr[j] == key)
            return j
        end if
    end for
    return -1
end
```

Algorithm copy Copies Array into new array

Input A Array , N umber of elements

Output new array

```
copy(A,N)
    copyArr = new Array of size N
    for J =0 to N
        copyArr[j] = A[j]
    endfor
    return copyArr
end
```

Algorithm delete deletes element of array

Input A Array , N umber of elements , element to delete

delete(A,N ,e)

 i = search(A,N,e)

 if (i == -1)

 print("element not found can not delete");

 else

 for j =i to N

 A[j] = A[j + 1];

 End for

 A[j] = 0;

 End if

end