14.10.2025

INSERT AN ELEMENT IN THE ARRAY

PROGRAM CODE:

#include <stdio.h>

int main() {

int a[50], n, pos, val;

printf("Enter size of array: ");

scanf("%d", &n);

printf("Enter %d elements: ", n);

for(int i=0; i<n; i++) scanf("%d", &a[i]);

printf("Enter position and value to insert: ");

scanf("%d%d", &pos, &val);

for(int i=n; i>=pos; i--)

a[i] = a[i-1];

a[pos-1] = val;

n++;

printf("Array after insertion: ");

for(int i=0; i<n; i++)

printf("%d ", a[i]);

return 0;

OUTPUT:

