INSERTION IN AN ARRAY

```c
#include <stdio.h>
int main() {
    int arr[100], n, pos, value, i;
    printf("Enter number of elements: ");
    scanf("%d", &n);
    printf("Enter elements: ");
    for (i = 0; i < n; i++)
        scanf("%d", &arr[i]);
    printf("Enter position to insert: ");
    scanf("%d", &pos);
    printf("Enter value to insert: ");
    scanf("%d", &value);
    for (i = n; i >= pos; i--)
        arr[i] = arr[i - 1];
    arr[pos - 1] = value;
    n++;
    printf("Array after insertion: ");
    for (i = 0; i < n; i++)
        printf("%d ", arr[i]);
    return 0;
}
```

OUTPUT:

```
Enter number of elements: 5
Enter elements: 10 20 30 40 50
Enter position to insert: 3
Enter value to insert: 25
Array after insertion: 10 20 25 30 40 50
```