

Problem 13: Insert a new no. at a particular position in an array.

Code:

```
#include <stdio.h>
int main() {
    int arr[10], pos,n,i;
    printf("Enter 9 numbers: ");
    for(i=0;i<9;i++) scanf("%d",&arr[i]);
    printf("Enter new number and position (0-9): ");
    scanf("%d%d",&n,&pos);
    for(i=9;i>pos;i--) arr[i]=arr[i-1];
    arr[pos]=n;
    printf("Array: ");
    for(i=0;i<10;i++) printf("%d ",arr[i]);
    return 0;
}
```

Output:

Enter 9 numbers: 111 323 455 385 904 135
675 937 876

Enter new number and position (0-9): 6
7

Array: 111 323 455 385 904 135 675 6 937
876