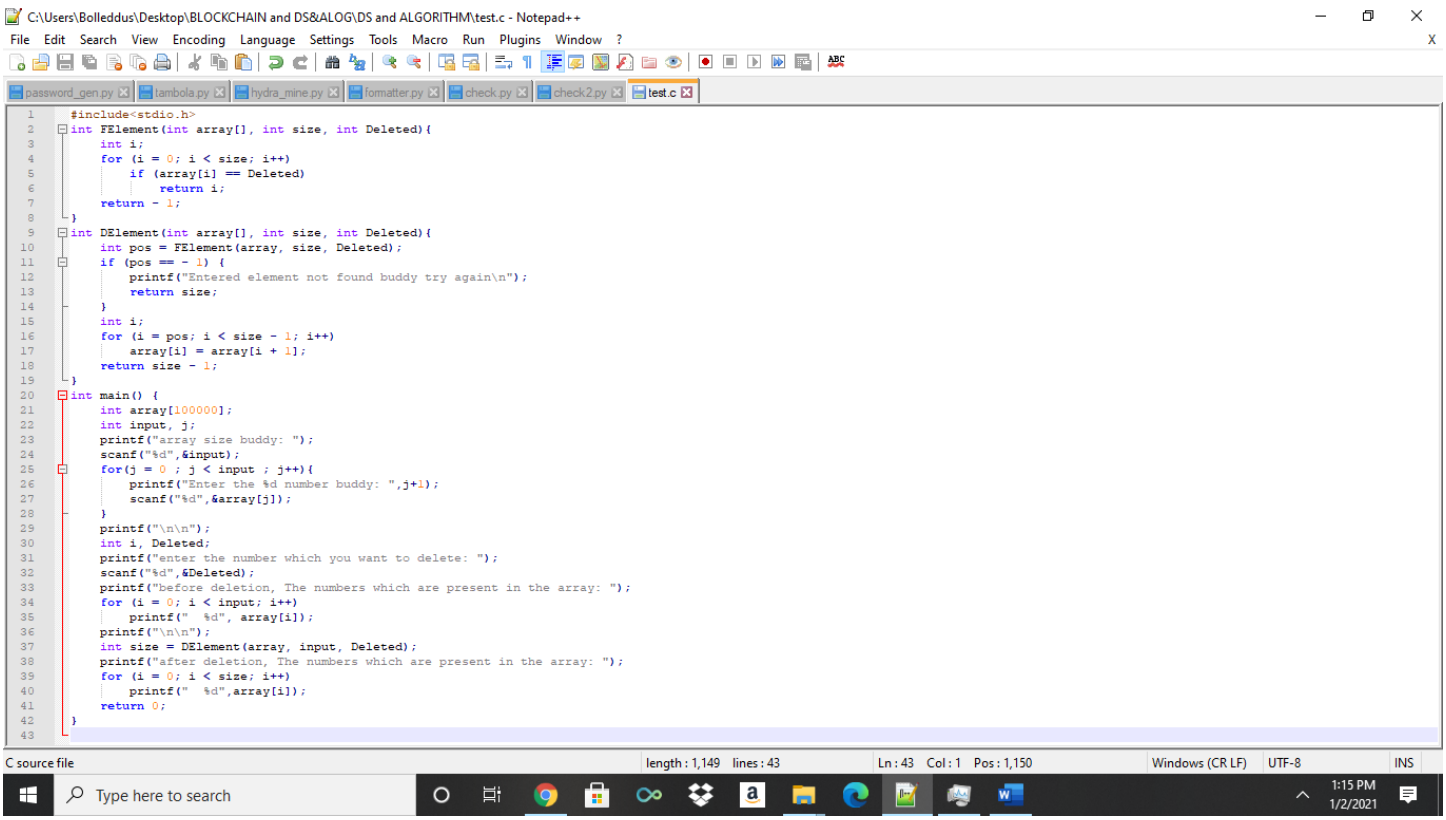
Assignment Day 2 | 25th December 2020

Question-1:

Write the program for deleting an element from the beginning and from any position.

C-Code:



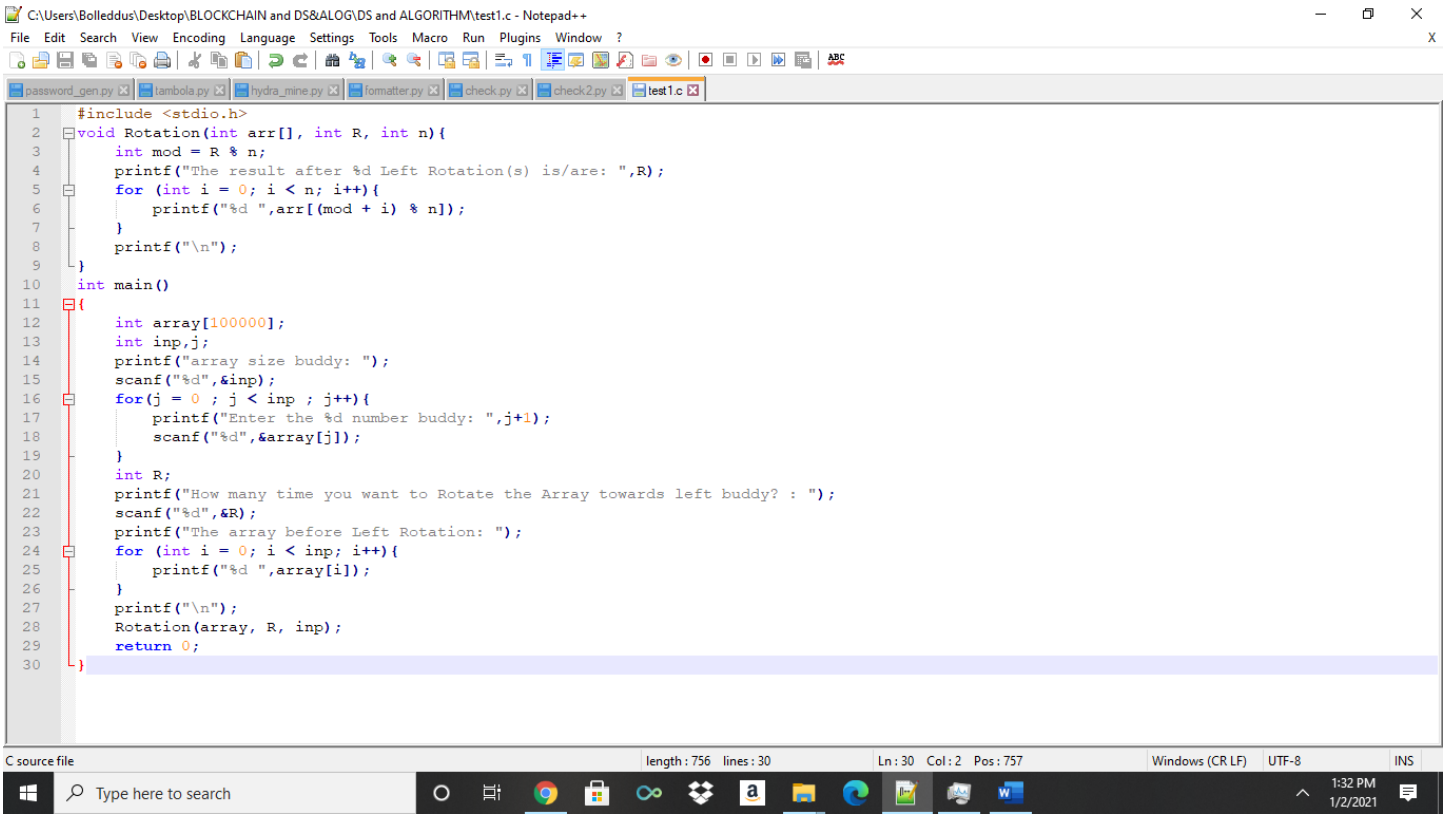
Output:

```
array size buddy: 5
Enter the 1 number buddy: 2
Enter the 2 number buddy: 4
Enter the 3 number buddy: 3
Enter the 4 number buddy: 5
Enter the 5 number buddy: 1


enter the number which you want to delete: 5
before deletion, The numbers which are present in the array:   2  4  3  5  1

after deletion, The numbers which are present in the array:   2  4  3  1

...Program finished with exit code 0
Press ENTER to exit console.
```

Question-2:

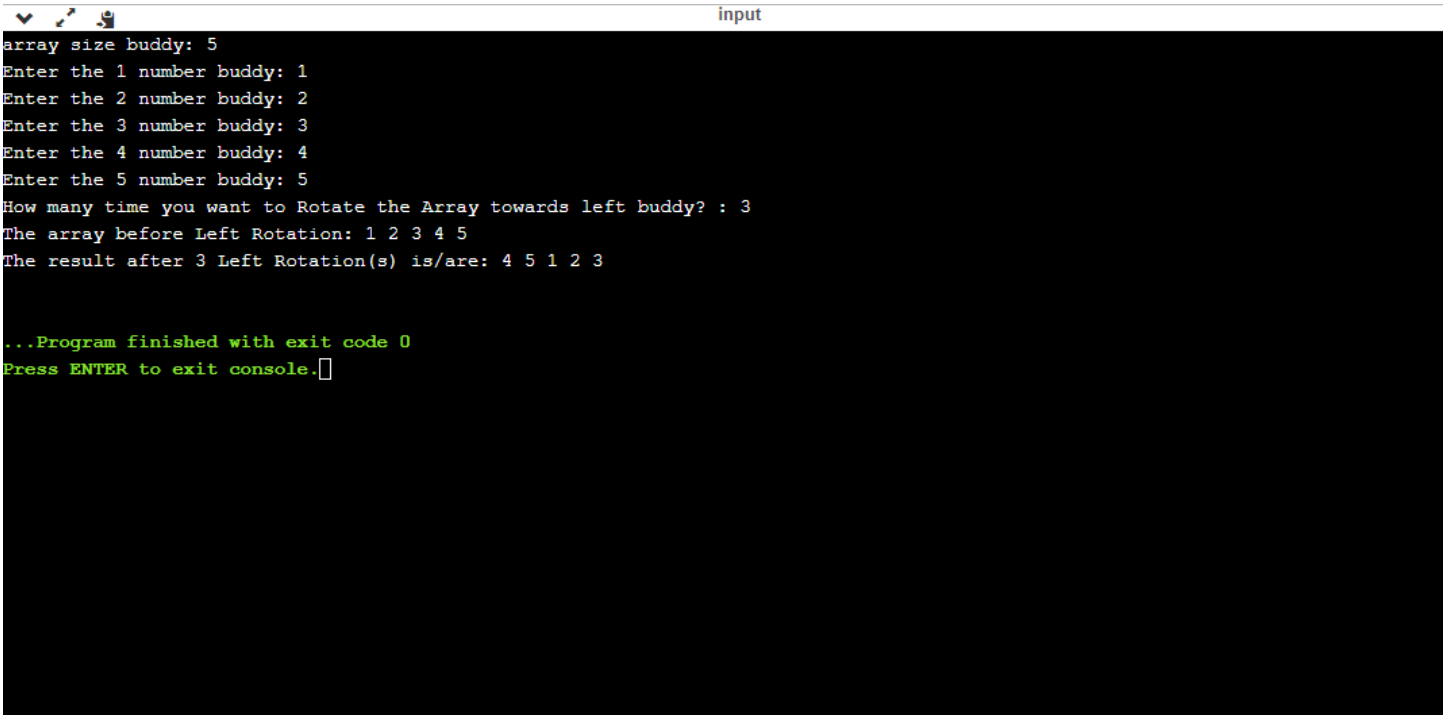
Write the program for printing the array after rotating it k times towards left, where k would be taken as user input.

C-Code:



```c
#include <stdio.h>
void Rotation(int arr[], int R, int n){
    int mod = R % n;
    printf("The result after %d Left Rotation(s) is/are: ",R);
    for (int i = 0; i < n; i++){
        printf("%d ",arr[(mod + i) % n]);
    }
    printf("\n");
}
int main()
{
    int array[100000];
    int inp,j;
    printf("array size buddy: ");
    scanf("%d",&inp);
    for(j = 0 ; j < inp ; j++){
        printf("Enter the %d number buddy: ",j+1);
        scanf("%d",&array[j]);
    }
    int R;
    printf("How many time you want to Rotate the Array towards left buddy? : ");
    scanf("%d",&R);
    printf("The array before Left Rotation: ");
    for (int i = 0; i < inp; i++){
        printf("%d ",array[i]);
    }
    printf("\n");
    Rotation(array, R, inp);
    return 0;
}
```

Output:



```
input
array size buddy: 5
Enter the 1 number buddy: 1
Enter the 2 number buddy: 2
Enter the 3 number buddy: 3
Enter the 4 number buddy: 4
Enter the 5 number buddy: 5
How many time you want to Rotate the Array towards left buddy? : 3
The array before Left Rotation: 1 2 3 4 5
The result after 3 Left Rotation(s) is/are: 4 5 1 2 3


...Program finished with exit code 0
Press ENTER to exit console.
```