**Question 1.**

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

**Solution code;**

#include <stdio.h>

int main()

{

int arr[] = {1, 2, 3, 4, 5};

int length = sizeof(arr)/sizeof(arr[0]);

int n,i;

printf("ENTER 'K'HOW MANY TIMEA YOU WANT TO ROTATE: ");

scanf("%d", &n);

printf("Original array: \n");

for (i = 0; i < length; i++) {

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

}

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

int j, first;

first = arr[0];

for(j = 0; j < length-1; j++){

arr[j] = arr[j+1];

}

arr[j] = first;

}

printf("\n");

printf("Array after left rotation: \n");

for(i = 0; i < length; i++){

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

}

return 0;

}

**Question 2.**

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

**Solution code;**

#include <stdio.h>

int main(){

int array[100], position, c, n;

printf("Enter number of elements in array\n");

scanf("%d", &n);

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

for (c = 0; c < n; c++)

scanf("%d", &array[c]);

printf("Enter the location where you wish to delete element\n");

scanf("%d", &position);

if (position >= n+1)

printf("Deletion not possible.\n");

else

for (c = position - 1; c < n - 1; c++)

array[c] = array[c+1];

printf("Resultant array:\n");

for (c = 0; c < n -1; c++)

printf("%d\n", array[c]);

return 0;

}