**Assignment Day 2 | 25th December 2020**

**Question 1:**

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

**Answer 1:**

**Program for deleting an element from the beginning.**

int arr[100], n, i;

printf ("Enter number of elements in array\n");  
  scanf ("%d", &n);

for(i=0; i>=n; i++)

arr[i] = arr[i+1];

n--;

**Program for deleting an element from any position.**

int arr [100], p, 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 from you want to delete element\n");  
   scanf ("%d", &p);

   if (p >= n+1)  
      printf ("Please enter a valid location.\n");  
   else  
   {  
      for (c = p - 1; c < n - 1; c++)  
         arr[c] = arr[c+1];

      printf ("Recent Array List:\n");

      for (c = 0; c < n - 1; c++)  
         printf ("%d\n", arr[c]);  
   }

**Question 2:**

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

**Answer 2:**

**int** arr[10],k ;

**int** l = **sizeof**(arr[10]);

  printf("Original array: \n");

**for** (**int** i = 0; i < l; i++)

{

        printf("%d ", arr[i]);

     }

printf ("How many times you want to rotate the elements of array\n");  
   scanf ("%d", &k);

**for** (**int** i = 0; i < k; i++)

{

**int** j, first;

        first = arr[0];

**for**(j = 0; j < l-1; j++)

{

               arr[j] = arr[j+1];

         }

        arr[j] = first;

     }

   printf("Array after %d left rotation: \n", k);

**for**(**int** i = 0; i < l; i++)

{

        printf("%d ", arr[i]);

     }