Question 1

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| --- |
| #include<stdio.h> |
|  |  |
|  | int findElement(int array[], int size, int keyToBeDeleted){ |
|  | int i; |
|  | // Finding & returning the position of the element |
|  | for (i = 0; i < size; i++) |
|  | if (array[i] == keyToBeDeleted) |
|  | return i; |
|  | return - 1; |
|  | } |
|  |  |
|  | int deleteElement(int array[], int size, int keyToBeDeleted){ |
|  | int pos = findElement(array, size, keyToBeDeleted); |
|  | // If element is not found then it prints Element not found |
|  | if (pos == - 1) { |
|  | printf("Element not found\n"); |
|  | return size; |
|  | } |
|  | // Otherwise it deletes the element & moves rest of the element by one position |
|  | int i; |
|  | for (i = pos; i < size - 1; i++) |
|  | array[i] = array[i + 1]; |
|  | return size - 1; |
|  | } |
|  |  |
|  | int main() { |
|  | int array[100000]; |
|  | int input, j; |
|  |  |
|  | printf("Enter number of digit to be input: "); |
|  | scanf("%d",&input); |
|  |  |
|  | for(j = 0 ; j < input ; j++){ |
|  | printf("Enter the %d number: ",j+1); |
|  | scanf("%d",&array[j]); |
|  | } |
|  |  |
|  | printf("\n\n"); |
|  | int i, keyToBeDeleted; |
|  | printf("Enter Number to be deleted: "); |
|  | scanf("%d",&keyToBeDeleted); |
|  |  |
|  | printf("Before Deletion: "); |
|  | for (i = 0; i < input; i++) |
|  | printf(" %d", array[i]); |
|  | printf("\n\n"); |
|  |  |
|  | int size = deleteElement(array, input, keyToBeDeleted); |
|  | printf("After Deletion: "); |
|  | for (i = 0; i < size; i++) |
|  | printf(" %d",array[i]); |
|  |  |
|  | return 0; |
|  | } |

Question 2

|  |
| --- |
| #include<stdio.h> |
|  |  |
|  | void leftRotate(int arr[], int k, int n){ |
|  | int mod = k % n; |
|  | printf("Output After %d Left Rotation is: ",k); |
|  | for (int i = 0; i < n; i++){ |
|  | printf("%d ",arr[(mod + i) % n]); |
|  | } |
|  | printf("\n"); |
|  | } |
|  |  |
|  | int main() |
|  | { |
|  | int array[100000]; |
|  | int input,j; |
|  | printf("Enter number of digit to be input: "); |
|  | scanf("%d",&input); |
|  |  |
|  | for(j = 0 ; j < input ; j++){ |
|  | printf("Enter the %d number: ",j+1); |
|  | scanf("%d",&array[j]); |
|  | } |
|  |  |
|  | int k; |
|  | printf("Input How many time you want to Left Rotate the Array? : "); |
|  | scanf("%d",&k); |
|  | printf("Before Left Rotation (Original): "); |
|  | for (int i = 0; i < input; i++){ |
|  | printf("%d ",array[i]); |
|  | } |
|  | printf("\n"); |
|  | leftRotate(array, k, input); |
|  | return 0; |
|  | } |