**Name: Rohit Ghosh.**

**Roll Number: 21051420.**

**Date: 25/07/2022.**

**Class Assignment**

**Program 2**

**Question:**

WAP to reverse the contents of an array of n elements.

**Code:**

#include<stdio.h>

#include<stdlib.h>

typedef struct

{

int size;

}use;

//We made the structure

int main()

{

use\* e1=(use\*) malloc(sizeof(use\*));

printf("Enter the size of array\n");

scanf("%d",&e1->size);

int arr1[e1->size],arr2[e1->size];

//arrays created

int c=0;

printf("Enter the elements of the array\n");

for(int i=0;i<e1->size;i++)

{

scanf("%d",&arr1[i]);

}

//we got the elements of the array

int \*ptr1=arr1;

//first pointer created for array1

for(int i=e1->size-1;i>=0;i--)

{

arr2[c]=\*(ptr1+i);

c++;

}

int \*ptr2=arr2;

//second pointer created for array 2

printf("\nFirst Array:\n");

for(int i=0;i<e1->size;i++)

{

printf("%d\t",\*(ptr1+i));

}

printf("\nSecond Array:\n");

for(int i=0;i<e1->size;i++)

{

printf("%d\t",\*(ptr2+i));

}

//now the two arrays are printed

return 0;

}

**Output:**

