**TASK-06**

**EXPLANATION:**

Write a program that will input an array of integer of odd size. Your program will exchange the middle element of array with the first, last element with middle and first element with last element of array and then print.

**INPUT:**

#include <iostream>

#include "abdullah"

using namespace std ;

int main ()

{

bool flag = true ;

while ( flag )

{

int size ;

cout << "Please enter size of an odd array : " ;

while ( ! ( cin >> size ) || size % 2 == 0 || size < 1 )

{

cin\_clear ( "No character or a n even number or a negative number!!") ;

cout << "Please enter size of an odd array : " ;

}

int array [size] ;

for ( int i = 0 ; i < size ; i++ )

{

cout << "Please enter element at index A." << i << " : " ;

while ( ! ( cin >> array [i] ) )

{

cin\_clear ( "No character!!") ;

cout << "Please enter element at index A." << i << " : " ;

}

}

system("cls") ;

int middle = ( sizeof array / 4 - 1 ) / 2 ;

int elements [] = { 0 , middle , middle , sizeof array / 4 - 1 , sizeof array / 4 - 1 , 0 } ;

cout << "The array before swaping indexes is : " ;

for ( int i = 0 ; i < size ; i++ )

{

cout << array [i] << " " ;

}

cout << endl ;

for ( int i = 0 ; i < 5 ; i+=2 )

{

swap ( array , elements [i] , elements [i+1] ) ;

}

cout << "The array after swaping indexes is : " ;

for ( int i = 0 ; i < size ; i++ )

{

cout << array [i] << " " ;

}

flag = continuationLoop () ;

}

}

**OUTPUT:**





