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BRANCH: BE_CSE   **SECTION:20BCS_13_A**

DATE: 30/08/2021   **SUBJECT: DS LAB**

QUESTION 2:

Write a program that performs a traversing operation where Let LA is a Linear Array (unordered) with N elements.
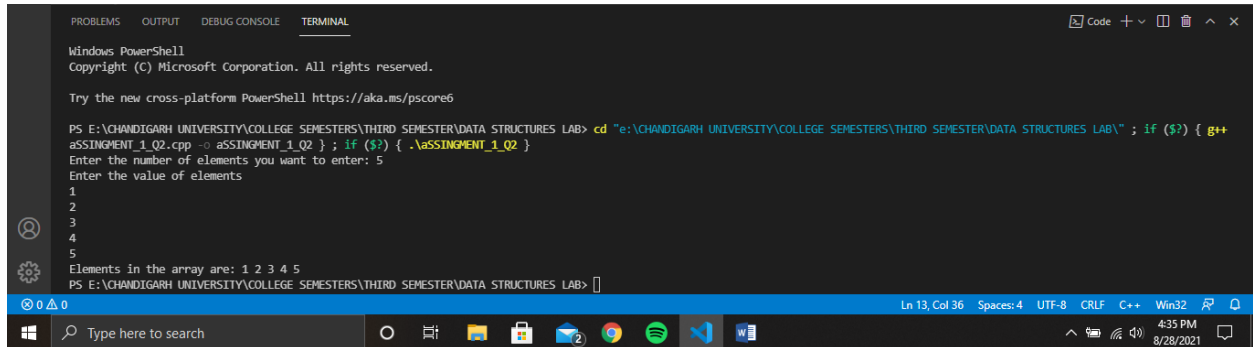
SOLUTION:

ALGORITHM

1. Start

2. Set J=N

3. Set N = N+1

4. Set Linear array[J+1] = LA[J]

5. Set J = J-1

6. Set Linear array[K] = elements

7. Print J, elements

8. Stop

PROGRAM CODE

```cpp
#include<iostream>
using namespace std;
int arr_input(int arr[], int elements)
{
cout<<"Enter the value of elements"<<endl;
for (int i = 0; i < elements ; i++)
{
cin>>arr[i];
}
}
int display(int arr[] , int elements)
{
for (int i = 0; i < elements; i++)
{
cout<<arr[i]<<" ";
}
}
int main()
{
int n,x,elements,end;
int arr[100];
cout<<"Enter the number of elements you want to enter: ";
cin>>elements;
arr_input(arr, elements);
cout<<"Elements in the array are: ";
display(arr,elements);
return 0;
}
```