

Aim:

Write a program to access the array elements using a pointer.

Source Code:

pyramid.c

```
#include <stdio.h>
void getarray(int n,int array[]){
    int i=0;
    while(i<n)
        {scanf("%d",&array[i]);
        i++;
        }
}
void pointer(int n,int array[]){
    int i;
    int *arrptr=array;
    for(i=0;i<n;i++)
        {printf("%d\n",*(arrptr+i));}
}
int main(){
    int n;
    printf("Enter the size of elements:");
    scanf("%d",&n);
    int array[n];
    printf("Enter elements: ");
    getarray(n,array);
    printf("Accessing the elements using the pointer: \n");
    pointer(n,array);
    return 0;
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the size of elements: 5
Enter elements: 1 2 3 4 5
Accessing the elements using the pointer:
1
2
3
4
5

Test Case - 2
User Output
Enter the size of elements: 4
Enter elements: 40 30 10 20

Accessing the elements using the pointer:
40
30
10
20