

**7. Write a C++ program to implement dynamic array. Also find smallest and largest element.**

```
#include<conio.h>
#include<iostream.h>
#include<stdio.h>
#include<stdlib.h>
void main()
{
    int n,i,*arr,max,min;
    clrscr();
    cout<<"Enter size of the array: "<<endl;
    cin>>n;

    arr = (int*) calloc(n, sizeof(int));

    cout<<"Enter the array elements: "<<endl;
    for(i = 0; i < n; i++)
    {
        cin>>arr[i];
    }

    min = arr[0];
    for(i = 0; i < n; i++)
    {
        if(min > arr[i])
        {
            min = arr[i];
        }
    }

    max = arr[0];
    for(i = 0; i < n; i++)
    {
        if(max < arr[i])
        {
            max = arr[i];
        }
    }

    cout<<"Maximum and minimum number in the array are: "<< max<<"and "<< min;
    getch();
}
```