/\* Wap in c++ using pointers to find the **smallest** andthe **largest** elementin a **dynamically created array**.\*/

#include<iostream.h>

#include<conio.h>

void main()

{

clrscr();

int \*array, smallest, largest, n;

cout<<"\n\nEnter the number of elements : ";

cin>>n;

array=new[n];

cout<<"\n\nEnter the elements : \n\n";

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

cin>>array[i];

i=0;

cout<<"\n\nThe array formed is : \n\n";

while(i!=n)

{

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

i++;

}

smallest=array[0];

for(i=0; i<n; i++)

{

if(array[i]<=smallest)

smallest=array[i];

}

largest=array[0];

for(i=0; i<n; i++)

{

if(array[i]>=largest)

largest=array[i];

}

cout<<"\n\nThe smallest element is : "<<smallest<<"\n\nThe largest element is : "<<largest;

getch();

}

**Output :**

Enter the number of elements : 5

Enter the elements :

1

9

2

8

6

The array formed is :

1 9 2 8 6

The smallest element is : 1

The largest element is : 9