

# PROGRAM-1

---

Accept three number and find out the largest number, 2<sup>nd</sup> largest and Smallest number

```
#include<iostream>

using namespace std;

void sortNum(int &, int &, int &);

int main()
{

cout<<"\n\n*****Program
1*****";

int num1, num2,num3;

cout<<"\n\n\nEnter the 3 number that you have to check:-
"<<endl;

cin>>num1>>num2>>num3;

sortNum(num1,num2,num3);
}

void sortNum(int &num1,int &num2, int&num3)
```

```
{  
// Declare the lowest, middle, and highest variables  
int lowest,middle,highest;  
if(num1<num2&&num2<num3)  
{lowest=num1;  
middle=num2;  
highest=num3;  
  
cout<<"\n\nThe smallest number is:- "<<lowest;  
cout<<"\n\nThe 2nd Largest Number is:- "<<middle;  
cout<<"\n\nThe largest number is:- " <<highest;  
}  
else if(num2<num1&&num1<num3)  
{ lowest=num2;  
middle=num1;  
highest=num3;  
  
cout<<"\n\nThe Smallest number is:- "<<lowest;  
cout<<"\n\nThe 2nd largest number is:- "<<middle;  
cout<<"\n\nThe largest number is:- "<<highest;  
}
```

```
else if(num3<num2&&num2<num1)
{
lowest=num3;
middle=num2;
highest=num1;

cout<<"\nthe smallest number is :-"<<lowest;
cout<<"\nThe 2nd largest number is:-"<<middle;
cout<<"\nThe largest number is :-"<<highest;
}
else if (num3<num1&&num1<num2)
{
lowest =num3;
middle=num1;
highest=num2;

cout<<"\nThe smallest number is :-"<<lowest;
cout<<"\nThe 2nd largest number is:-"<<middle;
cout<<"\nThe Largest number is :-"<<highest;
}
else if (num2<num3&&num3<num1)
```

```
{
lowest=num2;
middle=num3;
highest=num1;
cout<<"\n\nThe smallest number is:-"<<lowest;
cout<<"\n\nThe largest number is:-"<<middle;
cout<<"\n\nThe largest number is :-"<<highest;
}
else if(num1<num3&&num3<num2)
{
lowest =num1;
middle=num3;
highest=num2;

cout<<"\n\nThe smallest number is :-\t"<<lowest;
cout<<"\n\nThe 2nd largest number is :-\t"<<middle;
cout<<"\n\nThe largest number is :- "<<highest;
}
}
```