

Aim:

Write a program to find the **largest** and **smallest** of the three given integers.

During execution, the program should print the following message on the console:

Enter 3 integers :

For example, if the user gives the following as **input**:

Enter 3 integers : 99 9 999

Then the program should **print** the result as:

999 is largest
9 is smallest

Note: Use the **printf()** function with a **newline** character (**\n**) at the end.

Source Code:

Program310.c

```
#include<stdio.h>
int main()
{
    int a,b,c,small,big;
    printf("Enter 3 integers: ");
    scanf("%d%d%d",&a,&b,&c);
    big=(a>b)?((a>c)?a:c):((b>c)?b:c);
    printf("%d is largest\n",big);
    if(a<b)
    {
        if(b<c)
            small=a;
        else
        {
            if(a<c)
                small=a;
            else
                small=c;
        }
    }
    else
    {
        if(b<c)
            small=b;
        else
            small=c;
    }
    printf("%d is smallest\n",small);
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter 3 integers: 34 56 48
56 is largest
34 is smallest

Test Case - 2
User Output
Enter 3 integers: 56 34 12
56 is largest
12 is smallest

Test Case - 3
User Output
Enter 3 integers: 34 56 48
56 is largest
34 is smallest