

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;
    printf("Enter 3 integers: ");
    scanf("%d%d%d", &a,&b,&c);
    if(a>b)
    {
        if(a>c)
            printf("%d is largest\n" ,a);
        else
            printf("%d is largest\n" ,c);
    }
    else
    {
        if(b>c)
            printf("%d is largest\n",b);
        else
            printf("%d is largest\n",c);
    }
    if(a>b)
    {
        if((b>c)&&(a>c))
            printf("%d is smallest\n",c);
        else
            printf("%d is smallest\n",b);
    }
    else
    {
        if(c>a)
            printf("%d is smallest\n",a);
```

```

        else
        printf("%d is smallest\n",c);
    }
}

```

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