S.No: 5	Exp. Name: *Write a C program to find the Largest and Smallest of Three numbers using Ternary operator*	Date:2023-01-01

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

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