

S.No: 5	Exp. Name: Write a C program to find the Largest and Smallest of Three numbers using Ternary operator	Date:2022-12-28
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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,big,small;
    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);
    small = (a<b)?(a<c?a:c):(b<c?b: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