

Aim:

Write a C program to find the maximum of 3 numbers using functions.

Input and Output Format:

Input consists of 3 integers.

Refer sample output for formatting details.

Sample Input and Output:

Enter three numbers : 9 99 49

99 is the largest among three numbers

Source Code:

maximumOfNum.c

```
#include <stdio.h>
#include "maximumOfNum1.c"
int largest(int x, int y, int z);
void main() {
    int x, y, z, max;
    printf("Enter three numbers : ");
    scanf("%d%d%d", &x, &y, &z);
    printf("%d is the largest among three numbers\n", largest(x, y, z));
}
```

maximumOfNum1.c

```
#include<stdio.h>
int largest(int x,int y, int z)
{
    if(x>y && x>z) {return x;}
    else if (y>x && y>z)
    {return y;}
    else { return z;}
}
```

Execution Results - All test cases have succeeded!**Test Case - 1**

User Output

Enter three numbers : 111 10 99

111 is the largest among three numbers

Test Case - 2

User Output

Enter three numbers : 25 37 48

48 is the largest among three numbers