

OBJECT ORIENTED PROGRAMMING IN C++
WINTER SEMESTER 2021-22
ACTIVITY-03

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Question:

Design a Generic Function to find the largest of three numbers.

```
#include <iostream>
using namespace std;
template <typename T>

// myMax is the generic function used to find the largest of three numbers

T myMax(T x, T y, T z)
{
    if (x>y and x>z)
    {
        return x;
    }
    else if (y>x and y>z)
    {
        return y;
    }
    else
    {
        return z;
    }
}

int main()
{
    float a,b,c;
    cout<<"Enter three Numbers:";
    cin>>a>>b>>c;
    cout<<"Largest Number is:";
    cout << myMax<float>(a, b, c) << endl;

    return 0;
}
```

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OUTPUT:

```
Enter three Numbers:5 7.8 10.5  
Largest Number is:10.5
```

```
-----  
Process exited after 19.01 seconds with return value 0  
Press any key to continue . . .
```