

Write a function that passes two temperatures by reference and sets the larger of the two numbers to 100 by using return by reference.

```
// header file for input and output
#include <iostream>
// header file for input output manipulation
#include <iomanip>
// adding std namespace
using namespace std;
#define SUCESS 0

/*****
 * \brief weird function that set higher argument to 100
 *
 * \parmas temp1: temperature by reference
 * \parmas temp2: temperature by reference
 *****/
int &func (int &temp1,int &temp2)
{
    if (temp1 > temp2)
    {
        return temp1;
    }
    else
    {
        return temp2;
    }
}

int main()
{
    int temp1, temp2;
    cout << "Enter temp1 and temp2?";
    cin >> temp1 >> temp2;
    func(temp1,temp2) = 100;
    cout << "Value of temp1 and temp2 after calling the fucntion"<< endl;
    cout << "temp1 " << temp1 << " temp2 " << temp2;
    return SUCESS;
}
```

```

#include<iostream>//or
using namespace std;
int &ma(int &,int &);
int main()
{
    int t1,t2;
    cout<<"Enter two numbers:\t";
    cin>>t1>>t2;
    int &a=t1;
    int &b=t2;
    cout<<"Previous value of t1 and t2 are:\t"<<t1<<"\t"<<t2<<endl;
    ma(a,b)=100;
    cout<<"after value of t1 and t2 are:\t"<<t1<<"\t"<<t2<<endl;
}
int &ma(int &x,int &y)
{
    if(x>y)
    {
        return x;
    }
    else
    {
        return y;
    }
}

```