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CSE 1311 - C++ Programming for Engineers
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Lab 4c: MaxFunc
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Goal(s): Build a max() function

Build a max() function that takes 3 arguments and returns the argument which is the highest. Call this function from the main(). In main(), declare and set 3 variables, pass these variables to the max() function, and then print the result. Do all this in main(). The function only figures the max.

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#include <iostream>
using namespace std;
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int max(int a, int b, int c) {
    if(a > b && a > c) {
        cout << "The largest number is " << a << endl;
    }

    else if(b > a && b > c) {
        cout << "The largest number is " << b << endl;
    }

    else if(c > a && c > b) {
        cout << "The largest number is " << c << endl;
    }
}

int main() {
    int a, b, c;

    cout << "This application will compare the input of 3 numbers and
    print the highest to the console." << endl;

    cout << "Please enter the first number." << endl;
    cin >> a;

    cout << "Please enter the second number." << endl;
    cin >> b;

    cout << "Please enter the third number." << endl;
    cin >> c;

    max(a, b, c);

    return 0;
} // End of main
```