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//File: LB05_1.cpp
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//Compiler used: MS Visual Studio 2017
//Purposes: To sort 3 integers
#include <iostream>
#include <cmath>
using namespace std;
#define prog 2
#if prog == 1
int main()
       double a = 0.0;
       double b = 0.0;
       double c = 0.0;
       cout << "Enter a, b, c: ";</pre>
       cin >> a >> b >> c;
       if (a < b && a < c && b < c)
       {
              cout << a << ' ' << b << ' ' << c << endl;
       }
       else if (a < b && a < c && b > c)
              cout << a << ' ' << c << ' ' << b << endl;
       else if (a < b \&\& a > c)
              cout << c << ' ' << a << ' ' << b << endl;
       else if (a > b && a < c)
       {
              cout << b << ' ' << a << ' ' << c << endl;
       else if (a > b && a > c && b > c)
       {
              cout << c << ' ' << b << ' ' << a << endl;
       else if (a > b && a > c && b < c)
              cout << b << ' ' << c << ' ' << a << endl;
       }
       return 0;
}
#elif prog == 2
int main()
{
       double a = 0.0;
       double b = 0.0;
       double c = 0.0;
       cout << "Enter a, b, c: ";</pre>
       cin >> a >> b >> c;
```

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if (a < b)
               if (a < c)
                       if (b < c)
                               cout << a << ' ' << b << ' ' << c << endl; //test case 1</pre>
                       }
                       else
                       {
                               cout << a << ' ' << c << ' ' << b << endl; //test case 3</pre>
                       }
               }
               else
               {
                       cout << c << ' ' << a << ' ' << b << endl; // test case 4</pre>
               }
       }
else
        {
               if (a < c)
                       cout << b << ' ' << a << ' ' << c << endl; // test case 5</pre>
               }
               else
               {
                       if (b > c)
                               cout << c << ^{\prime} ^{\prime} << b << ^{\prime} ^{\prime} << a << endl; // test case 2
                       }
                       else
                       {
                               cout << b << ' ' << c << ' ' << a << endl; // test case 6</pre>
                       }
               }
       }
       return 0;
}
#endif
```