

```
1 using System; //needed for array, Convert, and Converter
2 delegate double CompareValues(double x, double y); //delegate for defining expression bodied
    lambda
3 public partial class _Default : System.Web.UI.Page
4 {
5     double FromStringToDouble(string s) => Convert.ToDouble(s); //expression bodied function
        member
6     protected void Button1_Click(object sender, EventArgs e)
7     {
8         string[] vals = TextBox1.Text.Split(new char[] { ',' }); //split entries into array of
            strings
9         //line 10 below converts all strings to doubles using the vals array, and a new
            Converter object
10        //which really just calls FromStringToDouble
11        double[] doubleVals = Array.ConvertAll(vals, new Converter<string, double>
            (FromStringToDouble));
12        //lines 13-17 define the expression bodied lambda, this one compares two values and
            returns the bigger
13        CompareValues compareValues = (xin, yin) =>
14        {
15            double x = xin, y = yin;
16            return x > y ? x : y;
17        };
18        //line 19 invokes CompareValuesInList, which needs the lambda, and list of values to
            compare
19        sampLabel.Text = CompareValuesInList(compareValues, doubleVals[0], doubleVals[1],
            doubleVals[2]).ToString();
20    }
21    //lines 22-25 below return either third value if it's biggest, or one of the other two
22    static double CompareValuesInList(CompareValues compFirstTwo, double first, double second,
        double third)
23    {
24        return third > compFirstTwo(first, second) ? third : compFirstTwo(first, second);
25    }
26 }
27
28
29
30
31
```