

```
1 //using is a directive
2 //System is a namespace, namespace groups related features together
3 //System is needed so we can use Console, classes
4 using static System.Console;
5 using static System.Math;
6 //outermost level of grouping
7 class Program
8 {
9     //Main is a method
10    //this is the entry point into program
11    static void Main()
12    {
13        double[,] arr = new double[2, 3]; //2*3=6
14        //lines below store values
15        arr[0, 0] = 10;    arr[0, 1] = -45; arr[0, 2] = -45.98;
16        arr[1, 0] = 56.098; arr[1, 1] = 89.54; arr[1, 2] = 65.98;
17        //line below gets value stored at row index 1, and column index 2
18        WriteLine($"Value stored at (1,2)={arr[1, 2]}");
19        //line below adds values stored at row index 0 and column index 0
20        //and row index 0 and column index 2
21        WriteLine($"Sum of values at (0,0) and (0,2)={arr[0, 0] + arr[0, 2]}");
22        //Code below works from inside to outside, so
23        //arr[1,1] first gets 89.54
24        //this value is then cubed, meaning 89.54^3
25        //then the result is rounded with two decimal places
26        //then the string is output to the window
27        WriteLine($"Cube of value at (1,1) is {Round(Pow(arr[1, 1], 3),2)}");
28    }
29 }
30
31
```