

```
1 using System; //needed for exceptions
2 class Program
3 {
4     static void Main()
5     {
6         double x = 5, y = 5.3; //these are the values we will try to divide: x/y
7         try
8         {
9             //if y is no zero, do x/y and save to result variable
10            //if y is zero, throw the new divide by zero exception
11            var result = (y != 0) ? $"{x / y}" : throw new DivideByZeroException();
12            Console.WriteLine(result); //displays result of division
13        }
14        catch (DivideByZeroException ex)
15        {
16            //displays message when y=0 or the division is not succesful
17            Console.WriteLine(ex.Message + "\n" + ex.StackTrace);
18        }
19    }
20 }
```