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/*
    Topic:Exception Handling
    Question 11: Extend Q6, In divide method of Maths class and handle   ArithmeticException
    using try catch block.
*/
package handling;
import java.util.Scanner;

public class Maths          //class declare
{
    int x,y;
    Scanner s=new Scanner(System.in);
    Maths(int var1,int var2)
    {
        x=var1;
        y=var2;
    }
    int add()
    {
        return x+y;
    }
    int subtract()
    {
        return x-y;
    }
    int mul()
    {
        return x*y;
    }
    void div()
    {
        System.out.println("enter 2 values");
        x=s.nextInt();
        y=s.nextInt();
        try                //try block
        {
            int z;
            z=x/y;
            System.out.print(z);
        }
        catch(ArithmeticException e)    //catch the exception
        {

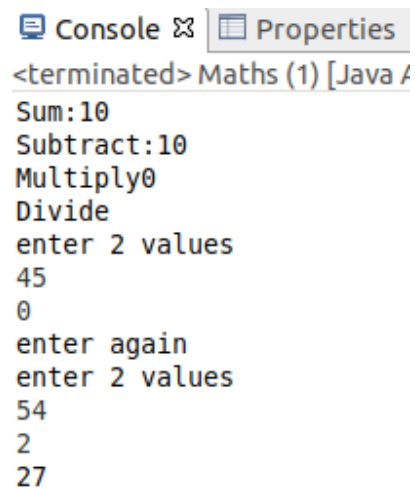
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        System.out.println("enter again"); //goto Div method
        div();
    }
}
public static void main(String args[])
{
    Maths m=new Maths(10,0);
    System.out.println("Sum:"+m.add());
    System.out.println("Subtract:"+m.subtract());
    System.out.println("Multiply"+m.mul());
    System.out.println("Divide");
    m.div();
}
}

```

## OUTPUT



```

<terminated> Maths (1) [Java /
Sum:10
Subtract:10
Multiply0
Divide
enter 2 values
45
0
enter again
enter 2 values
54
2
27

```