

```

import java.lang.*;
import java.io.*;
import java.util.Scanner;

public class sa
{
    public static int showresult( int aa ) throws ArithmeticException
    {
        int result = 12 / aa;
        return result;
    }

    public static void setdata( String input )
    {
        int value = 0;

        try
        {
            value = Integer.parseInt( input );
        }
        catch ( NumberFormatException aaaaaa )
        {
            System.out.println( "Bad Input Data!!" );
            return;
        }

        try
        {
            System.out.println( "Result is: " + showresult( value ) );
        }
        catch ( ArithmeticException aaaaaa )
        {
            System.out.println( "Division by zero!!" );
        }
    }

    public static void main ( String[] a )
    {
        Scanner scan = new Scanner( System.in );
        String inData;

        System.out.print("Enter the divisor: ");
        inData = scan.next();
        setdata( inData );
    }
}

```