```java
import java.util.*;
class Assign18 extends Exception
{
        public static void main(String[]args)
        {
                double a=0,b=0,div=0;
                Scanner sc=new Scanner(System.in);
                System.out.print("enter first number :");
                a=sc.nextDouble();
                System.out.print("enter second number :");
                b=sc.nextDouble();
                try
                {
                        if(b!=0)
                        {
                                div=a/b;
                            System.out.println("result is "+div);
                        }
                        else
                                throw new ArithmeticException();
                }
                catch(ArithmeticException e)
                {
                        System.out.print("Exception: divide by zero \n:-)");
                }
        }
}
```