```java
public class ThrowDemo
    {
        public static void main(String[] args)
        {

            int a=45,b=0,rs;

            try
            {
                if(b==0)
                    throw(new ArithmeticException("Can't divide by zero."));
                else
                {
                    rs = a / b;
                    System.out.print("\n\tThe result is : " + rs);
                }
            }
            catch(ArithmeticException Ex)
            {
                System.out.print("\n\tError : " + Ex.getMessage());
            }

            System.out.print("\n\tEnd of program.");
        }
    }
```
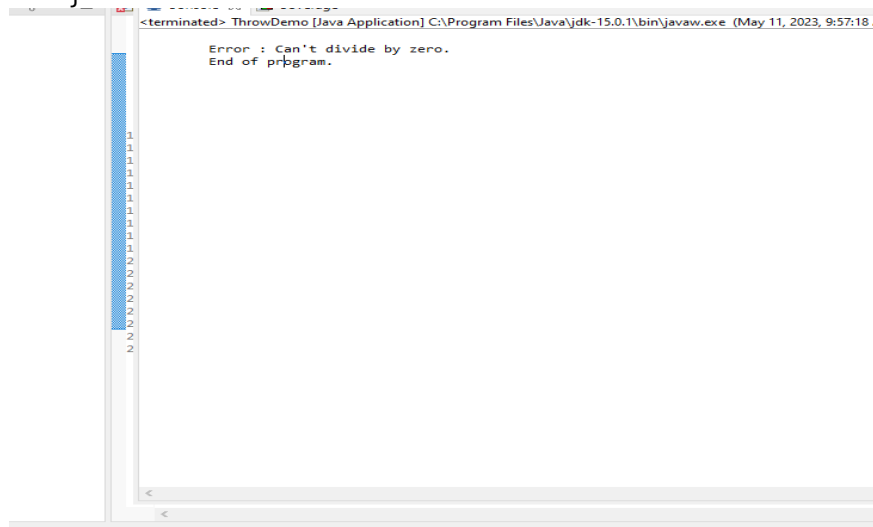
```java
ublic class ThrowsDemo
    {
        void Division() throws ArithmeticException
        {
            int a=45,b=0,rs;
          rs = a / b;
            System.out.print("\n\tThe result is : " + rs);
        }
         public static void main(String[] args)
        {
         ThrowsDemo T = new ThrowsDemo();
            try
```

```java
            {
                T.Division();
            }
            catch(ArithmeticException Ex)
            {
                System.out.print("\n\tError : " + Ex.getMessage());
            }
            System.out.print("\n\tEnd of program.");
        }
    }
```
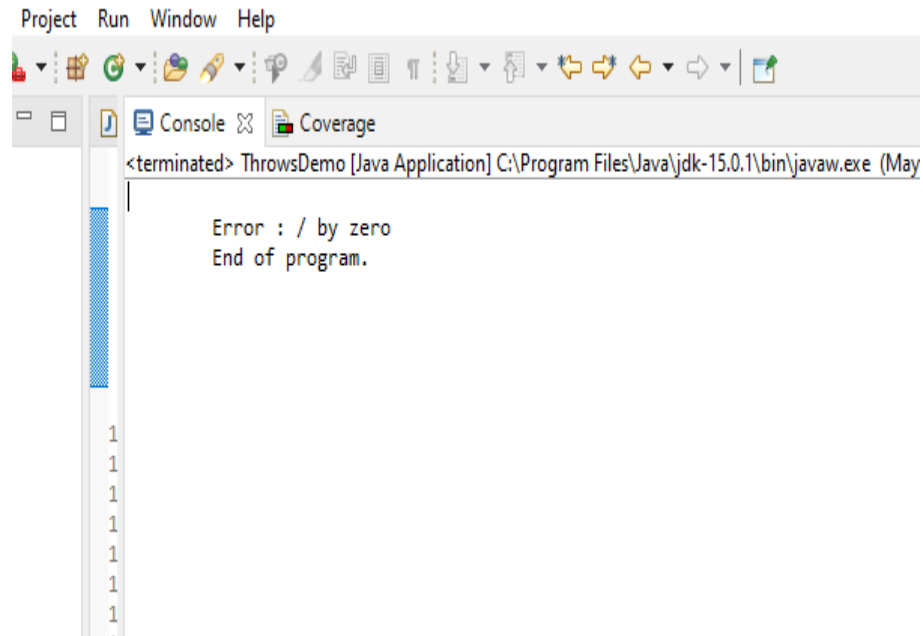
Project Run Window Help

Console ⊠ Coverage

\<terminated\> ThrowsDemo [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (May

```
        Error : / by zero
        End of program.
```

1
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```java
public class FinallyDemo
    {
        public static void main(String[] args)
        {
            int a=45,b=0,rs=0;
            try
            {
                rs = a / b;
            }
            catch(ArithmeticException Ex)
            {
                System.out.print("\n\tError : " + Ex.getMessage());
            }
            finally
            {
                System.out.print("\n\tThe result is : " + rs);
            }
        }
    }
```
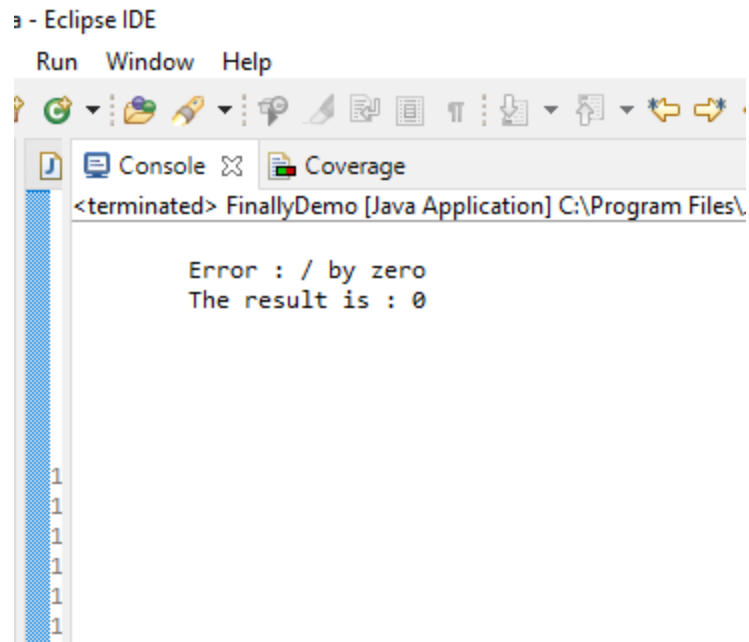
Console ⌗   Coverage

<terminated> FinallyDemo [Java Application] C:\Program Files\

```
Error : / by zero
The result is : 0
```

```java
class MyException extends Exception
{
    public MyException(String s)
    {
        super(s);
    }
}
public class Main3
{
    public static void main(String args[])
    {
        try
        {
            throw new MyException("temp");
        }
        catch (MyException ex)
        {
            System.out.println("Caught");
            System.out.println(ex.getMessage());
        }
    }
}
```

Project   Run   Window   Help

Console ⌧   Coverage

<terminated> Main3 [Java Application] C:\Program Files\Java\jd

Caught
temp