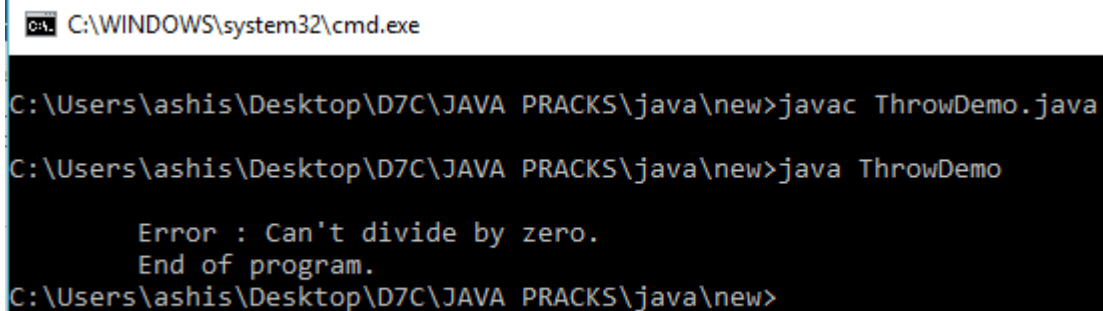


1] THROW:

```
class ThrowDemo
{
    public static void main(String[] args)
    {
        int a=45,b=0,rs;
        try
        {
            if(b==0)           //Statement 1
                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.");
    }
}
```

O/P:



```
C:\WINDOWS\system32\cmd.exe
C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>javac ThrowDemo.java
C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>java ThrowDemo

    Error : Can't divide by zero.
    End of program.
C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>
```

2] THROWS:

```
class ThrowsDemo
{
```

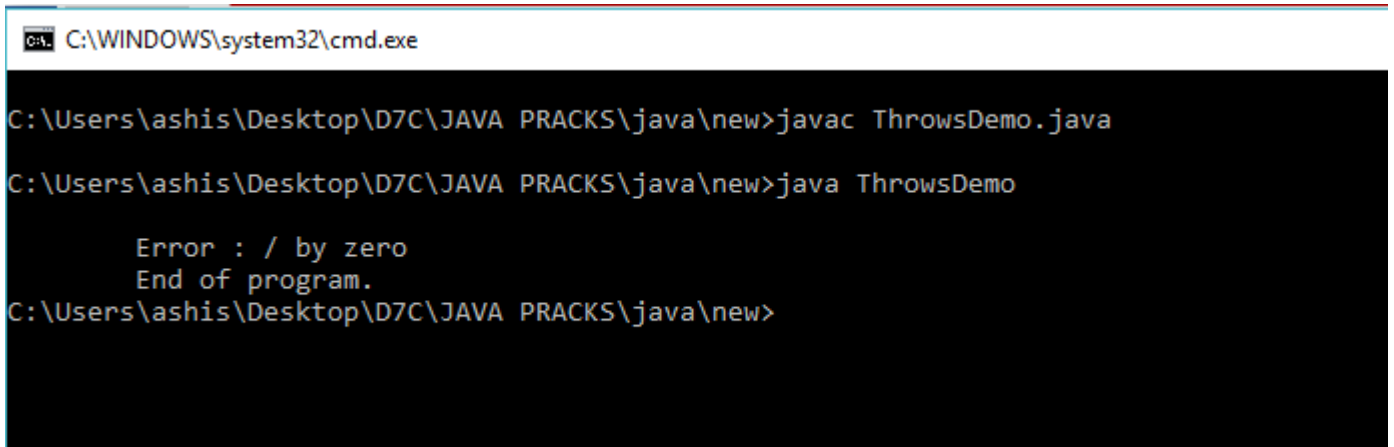
```

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

```

O/P:



```

C:\WINDOWS\system32\cmd.exe

C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>javac ThrowsDemo.java

C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>java ThrowsDemo

    Error : / by zero
    End of program.
C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>

```

3] **FINALLY:**

```

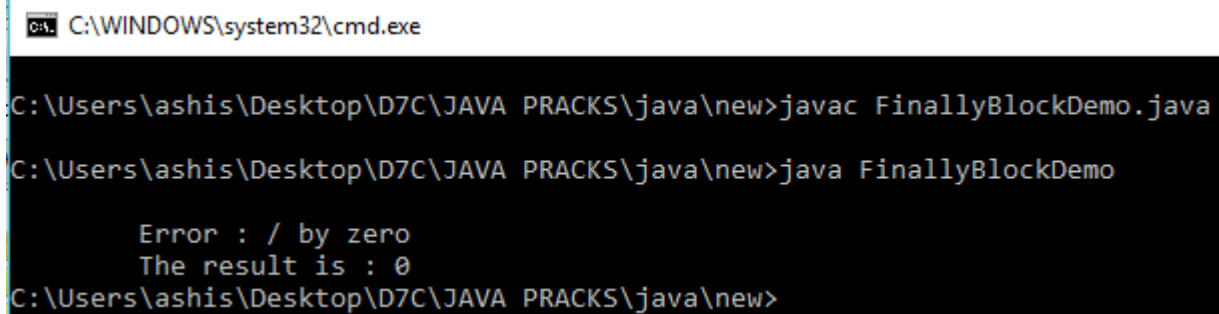
class FinallyBlockDemo
{

```

```
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);
    }
}
```

O/P:



```
C:\WINDOWS\system32\cmd.exe
C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>javac FinallyBlockDemo.java
C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>java FinallyBlockDemo
Error : / by zero
The result is : 0
C:\Users\ashis\Desktop\D7C\JAVA PRACKS\java\new>
```