

Recall that Java throws an **ArithmeticException** if there is an attempt to divide by zero. Similar to this, we can generate an exception if there is a division by three. Given two integers as input, complete the Java code given below to generate such an exception.

Create a class **DivisionException** that extends the class **Exception**.

Override the **toString()** method to return "Division by 3 is not allowed".

In the class Test, define **divide(int a, int b)** to return **a/b**, if the value of b is not equal to 3. If the value of b is 3, then throw an instance of **DivisionException**.

Inside the method **main()**, invoke **divide(x, y)**, and handle any possible exception by printing the said message.

## Sample Test Cases

### Test Case 1

**Input**

10

4

**Expected Output**

2

**Actual Output**

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### Test Case 2

**Input**

1000

3

**Expected Output**

Division by 3 is not allowed

**Actual Output**