6.Write a program in Java to demonstrate exception handling

```java
package OnlinePractice2;

import java.util.*;

public class Exception_1
{
public static void main(String[] args)
{
  Scanner sc = new Scanner(System.in);
  System.out.println("enter a first number ");
  int num1 = sc.nextInt();
  System.out.println("enter a second number ");
  int num2 = sc.nextInt();
  int result;

  try {
        result = num1/num2;
        System.out.println("Result : " + result);
  }
  catch(ArithmeticException ae)
  {
        System.out.println("Exception :Division by zero");
  }
}
}
```

output-

enter a first number

1

5

enter a second number

3

Result : 1

output-

enter a first number

5

enter a second number

0

Exception :Division by zero