

9. Develop a JAVA program to raise a custom exception (user defined exception) for DivisionByZero using try, catch, throw and finally.

```
CustomDivision.java
public class CustomDivision
{
    public static void main(String[] args) {
        int numerator = 10;
        int denominator = 0;

        try
        {
            if (denominator == 0)
            {
                throw new DivisionByZeroException("Division by zero is not allowed!");
            }
            int result = numerator / denominator;
            System.out.println("Result: " + result);
        }

        catch (DivisionByZeroException e)
        {
            System.err.println("Error: " + e.getMessage());
        }

        finally
        {
            System.out.println("This block always executes,
regardless of exceptions.");
        }
    }
}

// Custom exception class for DivisionByZero
class DivisionByZeroException extends Exception
{
    public DivisionByZeroException(String message)
    {
        super(message);
    }
}
```