

## 5. Writing a program in Java to throws, throw, finally, and custom exceptions in Java

```
package OnlinePractice2;

class MyExceptionHandling extends Exception {

    public MyExceptionHandling(String message) {

        super(message);

    }

}

public class ExceptionHandling

{

    public static void main(String[] args)

    {

        try

        {

            throwCustomException();

            int result = divide(10, 0);

        }

        catch (ArithmeticException e)

        {

            System.out.println("ArithmeticException: " +

e.getMessage());

        }

        catch (MyExceptionHandling e)

        {

            System.out.println("Custom Exception: " +

e.getMessage());

        }

    }

}
```

```

    }

    finally
    {

        System.out.println("Finally block executed.");

    }

}

static void throwCustomException() throws MyExceptionHandling
{

    throw new MyExceptionHandling("Custom exception is run ");

}

static int divide(int a, int b) {

    return a / b;

}

}

```

output-

Custom Exception: Custom exception is run

Finally block executed.