```java
public class Exception1Example {

    public static void main(String[] args) {
        System.out.println("First");
            doTask();
        System.out.println("Bye!!");
    }

    private static void doTask() {
        int x = 10;
        int y = 0;
        int res = x / y;
        System.out.println(res);
    }

}
```

First
Exception in thread "main" java.lang.ArithmeticException: / by zero
        at exceptions.Exception1Example.doTask(Exception1Example.java:14)
        at exceptions.Exception1Example.main(Exception1Example.java:7)

doTask()

main()

exception

Default Handler
→ Every Thread has it

```java
try {
    // line 1
    // line 2
    // line 3
} catch(SQLException ex) {
    // handle
} catch(IOException ex) {
    // handle
} catch(SecurityException ex) {
    // handle
} finally {
    close file
    close database
}
```

```java
try {
    // line 1
    // line 2
    // line 3
} catch(SQLException ex) {
    // handle
} catch(IOException ex) {
    // handle
} catch(SecurityException ex) {
    // handle
} finally {
    close file
    close database
}
```

① SQLException
③
②

Local Machine

PoM. XML

```
PR1
PR7
```

```xml
<dependencies>
  <dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <version>1.18.28</version>
  </dependency>
</dependencies>
```
unique

Local Repository

```
.m2
├── ...jar
├── ...jar
└── ...jar
```

Local Machine

PoM. XML

③

Remote Repository

```
PR1
PR7
```

```xml
<dependencies>
  <dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <version>1.18.28</version>
  </dependency>
</dependencies>
```
unique

⑥

① X

④

Local Repository

```
.m2
├── ...jar
├── ...jar
└── ...jar
```
⑤

jar

VISA   PROXY SERVER

Local Machine

PoM. XML

③   X

Remote Repository

```
PR1
PR7
```

```xml
<dependencies>
  <dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <version>1.18.28</version>
  </dependency>
</dependencies>
```
unique

⑥

① X

jar

VISA   PROXY SERVER

④

Local Repository

```
.m2
├── ...jar
├── ...jar
└── ...jar
```
⑤

Central Repository

https://repo1.maven.org/maven2/