



ex SQLException, Class Not Found

Exceptions

→ checked (Compile time)

→ Index Out of Bounds

→ Checked (Compile time)
 → Unchecked (Run time exception)

Index Out of Bounds
 Arithmetic Exception
 Null Pointer Exception

$$\frac{a, b}{c = a / b}$$

$$b \geq 0$$

$$i < n$$

for (i=0; i < n, i++) {

why? cannot afford to break my code in production

Type of Programming Statements

Normal
 which will never fail / which will never throw an exception

critical
 they might throw an exception

int a = 5;]
 int b = 0;]
 int c = a / b } critical

Critical statements are always written inside a try
catch block

exception is
thrown

```
try {  
    //  
}  
catch (Exception e) {  
    //  
}
```

⊛ We cannot catch a parent exception before a child exception.

throw
↳ manually throw an exception

throws
↳ always written with funcⁿ name
↳ used to tell the programmer that
this function might throw an
exception

→ throws is mandatory for those funcⁿ which throw
compile time exception, Runtime exceptions
is optional.

is opposite.

