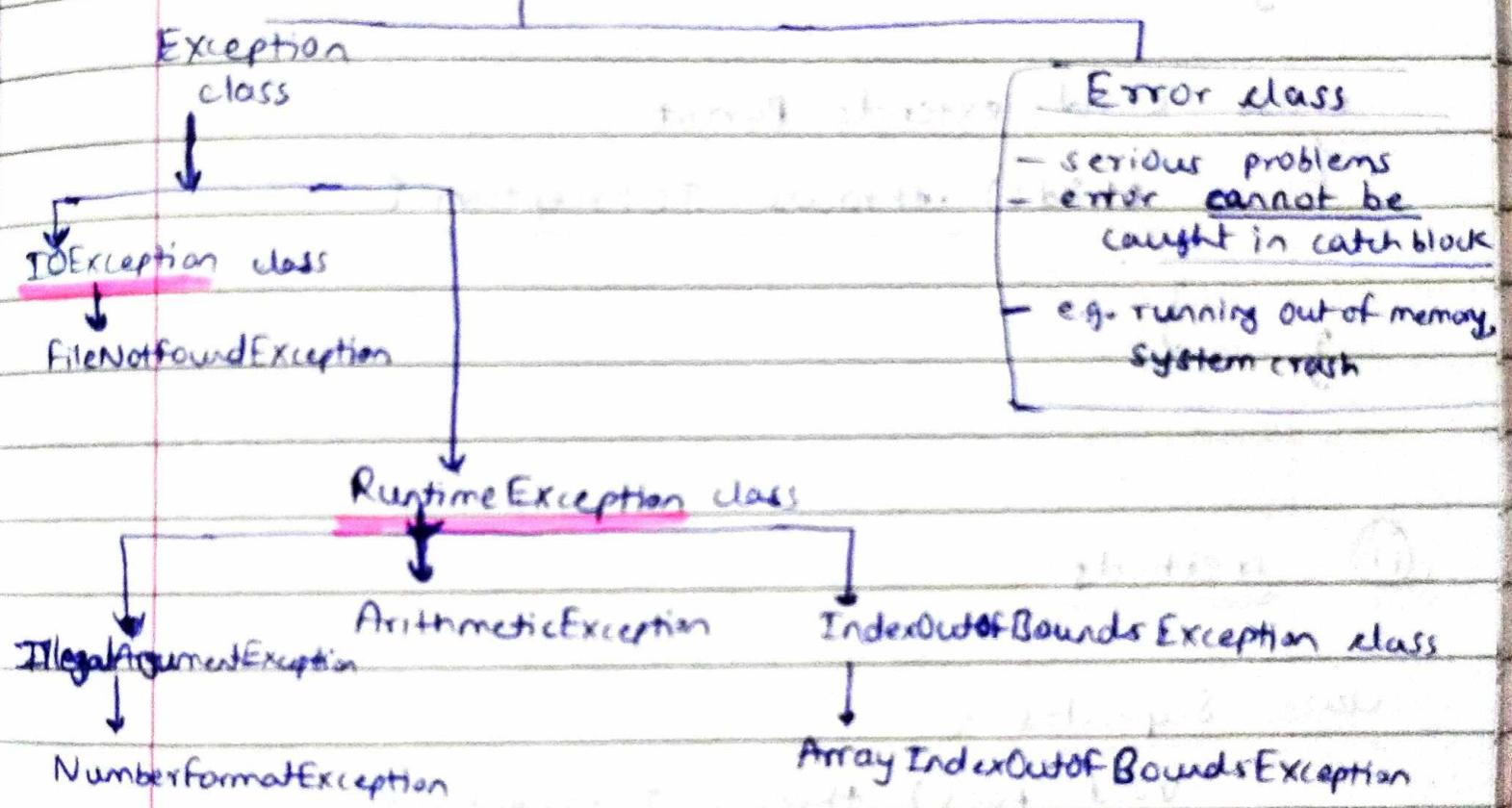


## (My Doubts' clearance) exception handling

### ① Throwable class



There are many other exception classes.

I've shown only few.

### ②

`finally{} cannot exist without try block`

### ③

```

try {
    // non-problematic lines
    ...
    ...
}
finally {
    ...
    return x;
}
  
```

even though there was ~~exception caught~~ exception caught  
 statement in try, there is return  
 statement in finally which will  
 execute

4

Overriding in case of with throws

- (i) Constructors of parent & child classes
- (ii) Methods in parent & child classes

### i Constructor

```
class Parent {
```

```
    Parent() throws FileNotFoundException {
```

```
}
```

```
class Child extends Parent
```

```
{
```

```
    Child() throws IOException {
```

```
}
```

ii

### methods

```
class Superclass {
```

```
    void foo() throws IOException {
```

```
}
```

```
class Subclass extends Superclass {
```

① Override

```
    void foo() throws FileNotFoundException {
```

```
}
```

### ⑤ throw with unchecked exception

- (i) with try-catch      (ii) without try-catch

#### (i) throw - unchecked exception - with try-catch

```

try {
    if (y == 0) {
        throw new ArithmeticException("div. by 0");
    }
}
catch (ArithmeticException e) {
    System.out.println(e.getMessage());
}

```

#### (ii) throw - unchecked exception - w/o try-catch

Without try-catch

```

if (y == 0)
    throw new ArithmeticException("div. by 0");

```

(to print this message, try-catch is required)

### ⑥ throw with checked exception

- (i) without try-catch

```

p.s.v.m(String[] args) throws IOException {
    throw new IOException("I/O error");
}

```

- (ii) with try-catch

```

p.s.v.main(String[] args) {
    try {
        throw new IOException("I/O error");
    }
    catch (IOException e) {
        System.out.println(e.getMessage());
    }
}

```

三

~~X~~ Custom class exception as checked exception  
for checked exception,

→ Custom class extends Exception class or its subclasses except RuntimeException

public class My checked Exception extends Exception {

```
public MyCheckedException() {
```

Super()

```
public MyCheckedException(String message) {
```

Super(message);

g g

public class Test {

start slow - increase feed slow - wait

`P.S.V.m(String[] args)`

this can be

try {

Writ

throw new MyCheckedException ("this is checked exception")

catch (My checked Exception e)

七

Sysout.( e.getMessage() );

17

3

7) ~~Neopeltid~~ neopeltid mouth (pre-Cladistic view)

"One off" negotiations were worth

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custom class exception has unchecked exception

→ for unchecked exception,

Custom class extends Runtime Exception class

James E. Mather was author or one of his subclasses

Syntax same as above (`align="center"`) etc.



AnyScanner