

Exception → Exception Handling

Error :- Syntax Error :-

↓  
Handle

↓  
code execution X

Program  
↓ 20 lines  
[ Normal flow  
break ]  
Exception. HALT / Stop

Class & Interface

Parent Class

**Throwable**  
java.lang.Throwable



can't handle

**Error**  
java.lang.Error

**Exception**  
java.lang.Exception

Can be handled

M/m

**OutOfMemoryError**

**StackOverflowError**

etc...

Syntax

**IOException**

**SQLException**

**FileNotFoundException**

**ClassNotFoundException**

etc...

competitive

checked exception

**RuntimeException**  
java.lang.RuntimeException

(unchecked)

**ArithmeticException**

**NullPointerException**

**IndexOutOfBoundsException**

**IllegalArgumentException**

etc...

# # Exception Handling Concept -

(1) try catch block ✓

(2) finally block

(i) try-catch

try {

// code having  
exceptions

} catch (

3

syso (10/0);

Exception

) {

JAVA Handle  
Exception

↓  
Execution Stop

10/0 ↓ Exception Throws

↓  
Catch

JAVA/JVM

↓ Error Message

Programmer → Exception  
Handling  
Concept

try {

10/0;

} catch (            ) {

↓  
✓

Msg

} ↓ Continue Execution

# Null pointer Exception

String s = "Test" / null  
s.length(); → 4!

null.length(); // null pointer  
Exception

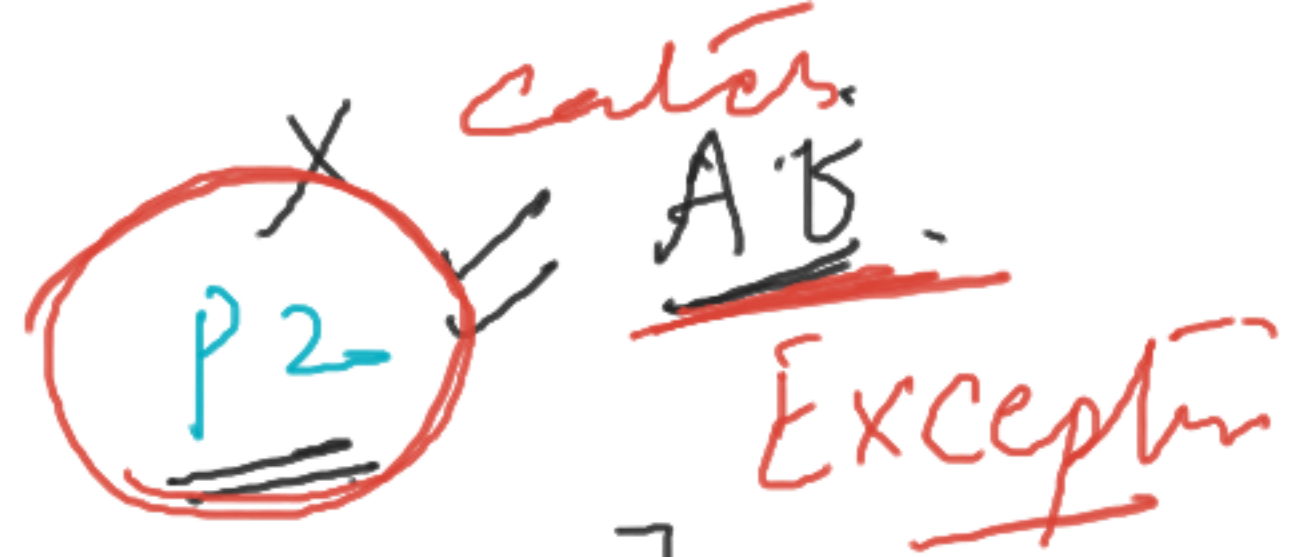
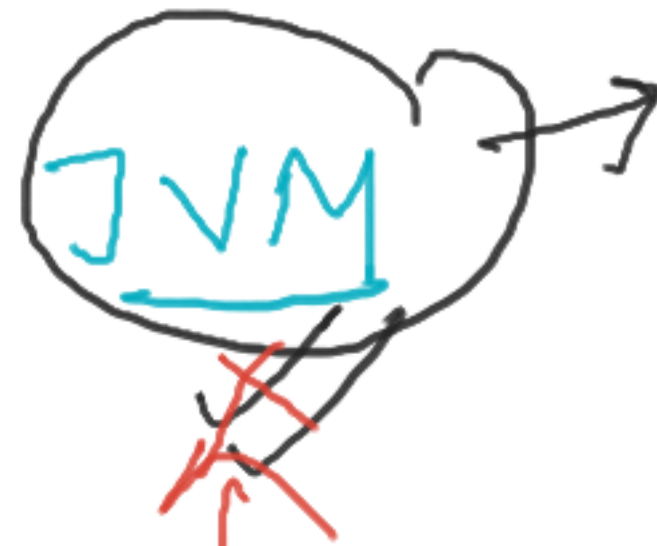


P1 <sup>try</sup>



A.E

N.P.E



Handle

Execution stop

AB  
NPE  
Assume