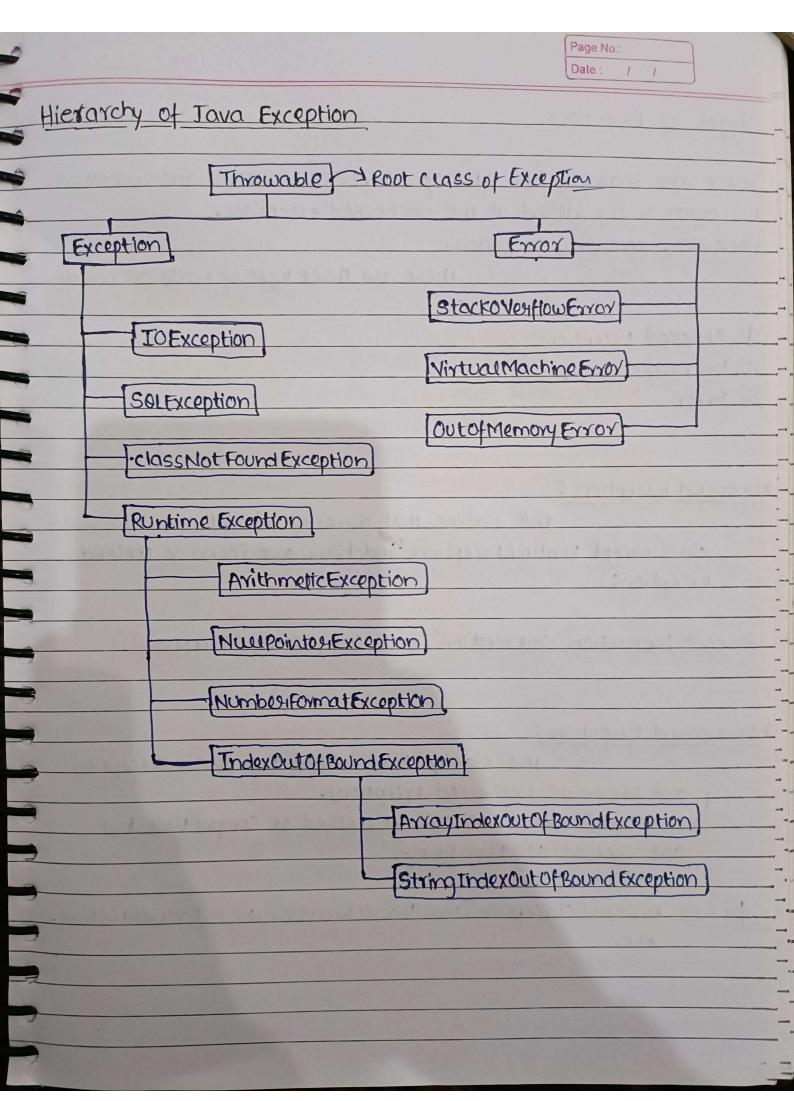
	. Val
	Page No.:
	Date: / /
Nineth Day; Tenth Day	
Topics to be covened:	
Exception Handeling = Try & Catch block  throw vs throws	× 3
* * *	* *
Exception Handeling	
exception handeling in Java is a way to de or problems that might occur while running	д а ргоднатт.
Thelps in preventing the programm from allows you to handle those errors grad	efully.
	turning and
Imagine you're baking a cake using a refollowing the recipe, these might be steps whe	ecipe, while she thing's could
go wrong.	tall down that
-> In this scenerio, you might accident eggs on the floor or burn the cake i	in the oven.
Exception handeling is like having a backup plan	for these situations



Page	No.:

Types of Exceptions

There are mainely two types of exceptions: checked and unchecked.

An error is considered as the unchecked exception.

However, according to oxacle,

there are there types of exceptions namely.

- 1 Checked Exception
- 1 Unchecked Exception
- 3 Frroy

> Checked Exception:

the classes that directly inherit the Throwable class except Runtime Exception and Error are known as checked exceptions.

for ex. > IDException, Solexception, etc. (compile-time exceptions).

## > unchecked Exception:

The classes that inherit the Runtime Exception are known as unchecked exceptions.

sy unchecked exceptions are not checked at compiletime but are checked at Run-time.

for Ext Arithmetic Exception, Null Pointer Exception, Broay Endexout Of Bond, etc.

Page No.:			
Date:	1	1	

> EYYOY :

Error is yes invecoverable.

for ex. > Outof Memory; virtual Machine; Assertion From, etc.

## Java Exception keywords:

- try: used to specify a block where we should place an Exception code. means we cannot use try block alone. this block must be followed by catch and b finally.
- · Catch: If an exception occurs within the try block, it is caught by a catch block. It's like

Someone ready to catch the eggs if they fall (Rejevencing from life example)

The catch block contains code to handle the exception, such as displaying an evular message or taking corrective actions.

· finally:

we can optionally have a finally block that contains code that will always run whether an exception occurs or not.

This like cloaning up the kitchen and making sure everything is tidy, regardless of the banking outcome.

Page No.:		
Date :	1	1

- · throw: This 'throw' keyword is used to throw an exception.
- throws: The "throws" keyword is used to declare exceptions.

  It specifies that there may occur an exception in the method. It doesn't throw an exception.

> It's always used with method signature.

## Exception Indexes

- · Try-Catch Block
- · Multiple Catch Block
- · Nested Try
- · Finally Block
- · Throw keyword
- · Exception Propagation
- · Throws keyword
- · Throw VS throws
- · Final vs Finally vs Finalize
- · Exception Handling with Method Overriding
- · Cuxtom Exceptions