

ECAP615

Programming in Java



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Learning Outcomes



After this lecture, you will be able to

- Learn the basic concept of Exception Handling
- Understand the various type of exceptions
- Implementation of Exception handling in multithreaded environment.

Exception Handling

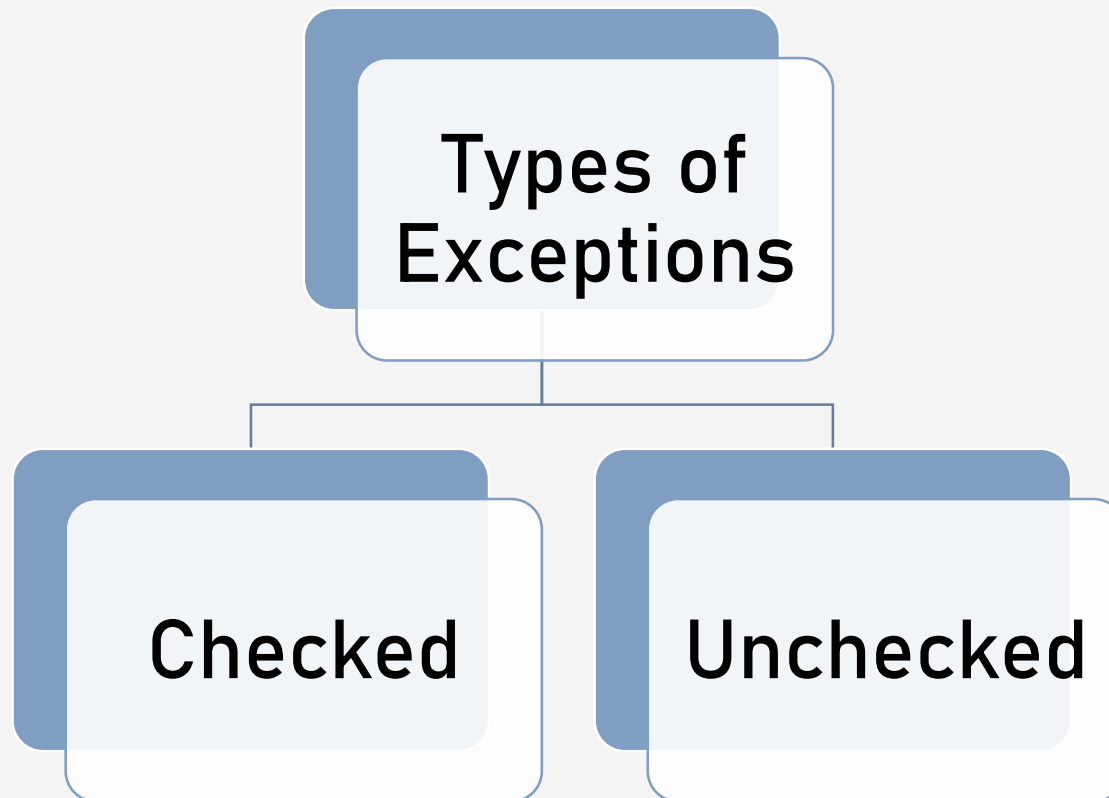
The Exception Handling in Java is one of the powerful mechanism to handle the runtime errors .

Advantage of Exception Handling

The core advantage of exception handling is to maintain the normal flow of the application.

Types of Exceptions

There are mainly two types of exceptions:



Exception Keywords

try

catch

finally

throw

throws

Exception Handling During Multithreading

- We deal with exceptions in a single thread by throwing them up, or by try catch block.
- In the multithreaded environment, the main thread can't handle the exception thrown by the child thread.

Multithreading Exception Handling

The following strategies are used for handling exception during multithreading:

- Try catch manually in the child thread
- `UncaughtExceptionHandler` exception handling provided in thread class.



That's all for now...