Exception Handling

What is Exception:

Exceptions in java are any abnormal unexpected events or extraordinary unexpected conditions that may occur at runtime.

Four options:

* Default throw and Default catch
* Default throw and Our catch
* Our throw and Default catch
* Our throw and Our catch

Exception Handling

Java exception handling is used to handle error conditions in a program systematically by taking the necessary action.

Class Hierarchy

Object

Throwable

Error Exception

IOException ClassNotFoundException RuntimeException

(checked Exception ) ( unchecked )

IllegalArgumentException NullPointerException ArithmeticException

NumberFormatException

Checked Exception : it is compile time error

Unchecked Excaption: it is run tion error

Throw & catch

Java exception are raised with the throw keyword and Handling within a catch Block.

Throwable

* The throwable class provides a String variable that can be set by the subclasses to provides more information of the exception occurred.
* All classes of the throwables define a one parameter constructor that takes a String as the detail message.
* The class Throwable provides getMessage() method to retrieve an exception.