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**Checked & Unchecked
Exception in Java**

=> What is Checked and Unchecked Exception :-

- ➔ Checked exception is the exception which can be checked by the compiler
- Unchecked exception is the exception which compiler cannot check

- ➔ If we do not report checked exception, our program will not compile
- In case of Unchecked exception, if we do not report the exception then our program can compile

- ➔ In case of checked exception we have to use throws or try-catch keyword
- In case of unchecked exception its not compulsory to use throws or try-catch keyword

- ➔ Parent class of checked exceptions are "Exception" class

Parent class of unchecked exceptions are
"RuntimeException" class

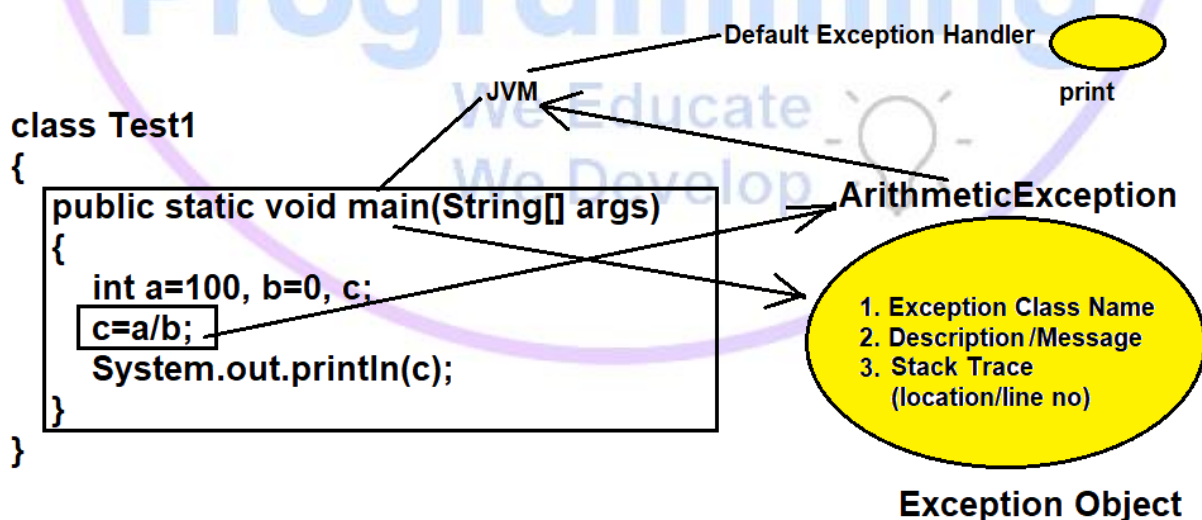
=> NOTE : Exceptions are always occurred at runtime, no exception is occurred at compile time

=> Working of exception :-

- ➔ If we do not handle the exception, our program will terminate abnormally (which is not good programming)
- ➔ If any exception is occurred in any method, then that method will create an exception object and

that method has the responsibility to handle the exception

- ➔ If the method is not handling the exception, then caller method has the responsibility to handle the exception
- ➔ If any caller method is not handling the exception object then that object will be transferred to JVM and then Default Exception Handler
- ➔ Then Default Exception Handler will print the exception object and JVM will terminate the exception object abnormally



=> throw keyword :-

➔ throw keyword is used to create an exception object programmatically

➔ Syntax :

○ throw new ExceptionClassName();

➔ throw keyword is mainly used for User-Defined Exceptions

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=> How to handle the exceptions :-

-> We can handle the exception by 2 ways :-

1. by using "throws" keyword
2. by using "try-catch" block



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