Backend and Database Development

13 classes

Day 4 : 29 Apr 2024

Java Technologies

Exception Handling :

Exception : exception is a type of error which generate when unexpected or abnormal conditions occurs during the execution of a programs. To handle the generated exception using some technique is known as exception handling.

Java program

Compile the program Run the program

javac Demo.java java Demo

javac compiler java interpreter

compile time error run time error

syntax error or typo error

run time error

Exception Error

Exception and Error both are pre define classes part of lang package. By default every java program imported lang package.

Exception : it is a type pre defined class. it is a type of error which generated at run time which we can handle it. Divided by zero, array index out of bounds exception etc.

Error : it is a type of pre defined class. it isa type of error which generated at run time which we can’t handle it. Out of memory, JVM crash etc. software or hardware issue etc.

Exception

Checked exception Unchecked exception

RuntimeException

IOException ArithmeticException

FileNotFoundException NullPointerException

SQLException ArrayIndexOutOfBoundsException

To handle both type of exception it can be checked or unchecked java provided totally 5 keywords.

1. try
2. catch
3. finally
4. throw
5. throws

try catch block

syntax

try {

}catch(Exception e) {

}