**Course 2 - Backend and Database Development**

**Day 8: 19 Dec 2024**

**Exception Handling**

Exception is a pre-defined class part of lang package.

Exception is an object or memory which get created when unexpected or abnormal condition occurs during the exception of a program. To handle the generated exception using some technique is known as exception handling.

Java Program

Compile Run

javac Demo.java java Demo

java compiler java interpreter

compiler convert whole code in another format ie byte code.

Interpreter check the code line by line.

Compile time error run time error

Syntax error

Run time error

Error Exception

Error and Exception both are pre defined classes in java part of lang package.

Error : The Error which generated at run time which we can’t handle it. JVM (Java Virtual Machine) crash, software or hardware issue.

Exception : it is type of run time error which we can handle it. Divided by zero or array index out of bonds.

Exception :

Checked exception un checked exception

RunTimeException

SQLException ArithmeticException

IOException ArrayIndexOutOfBoundsException

FileNotFoundException NumberFormatException