Java :

|  |  |  |
| --- | --- | --- |
| TO(DTO: data transfer object) | BO(Business Object) | DAO(data Access Object) |
| Class | Class | Class |
| Like json object in react  To object will hold the data | business Logics to computer certain | Connect with database |
| To hold the data  Java bean  Pojo(plane old java object) | To compute certain things | Access data from data base |
|  | Will take TO as argument | After reading store the data in to |
| Data members  It encapsulated  The data members will private  It contains setter and getter method to access the data |  |  |

Exception handling : plsql, react , promise

What is exception ?

It is ambiguity

which cannot be performed even though it know how to perform

when there is a ambiguity the system will stop in order to avoid that we need to have alternate logic or work or step

ex : array has 3 element if I want 4 element

user has deposited 1lac if ask for 2 lac

you have alphabets can we convert into integer :no

database table sdetails to be open if the sdetails is droped for some reason

when there is a ambiguity any where in java, JS, react we should handle it

what is handling means design alternative logic or steps

begin

exception

when other then

try

catch

try {

}

Catch(exceptionname

1. Try catch finally throw and throws
2. Try : will have actual code to execute
3. Catch : when ambiguity occurs what to do
4. Finally : if the control enter try or catch block if compulsory execute the finally block
5. Throw will create a exception
6. Throws : takes the control to the calling point
7. Multiple catch block
8. Multiple try and catch block

While handling exception :

1. The exception should be specific
2. The exception should be centrally handled
3. The validation should be done by exception

Java has

1. System defined exception
   1. This already defined
   2. NumberFormatException
   3. ArrayOutOfBounds
   4. FileNotFountException
   5. In system defined the exception is catches internally
   6. Throwable is class which is super class for (exception and error )
   7. Exception class is super class for all exception
   8. Error class is super class for all error
2. User defined exception
   1. When class inherits Exception super class it exception
   2. This is not internally catches we should catch by using throw
   3. We should create user defined exception for all business validation