## **Java Custom Exception(User defined Exception)**

A **custom exception in Java** is an exception defined by the user to handle specific application requirements. These exceptions extend either the **Exception** class (for checked exceptions) or the **RuntimeException** class (for unchecked exceptions).

### **Why Use Java Custom Exceptions?**

We use Java custom exception,

* To represent application-specific errors.
* To add clear, descriptive error messages for better debugging.
* To encapsulate business logic errors in a meaningful way.

## **Types of Custom Exceptions**

There are two types of custom exceptions in Java.

* CheckedExceptions: It extends the **Exception** class. and it must be declared in the **throws** clause of the method signature.
* Unchecked Exceptions: It extends the **RuntimeException** class.

## **Create a User-Defined Custom Exception**

1. Create a new class that extends Exception (for checked exceptions) or RuntimeException (for unchecked exceptions).
2. Provide constructors to initialize the exception with custom messages.
3. Add methods to provide additional details about the exception. (this is optional)