# **Exception Handling**

Date	15 November 2022
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Project Name	Project - IoT based safety gadget for ChildSafety
	Monitoring and Notification
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# **Exception Handling:**

- The **Exception Handling** is one of the powerful *mechanism to handle the runtime errors* sothat the normal flow of the application can be maintained.
- In this tutorial, we will learn about Java exceptions, it's types, and the difference between checked and unchecked exceptions.

# What is Exception:

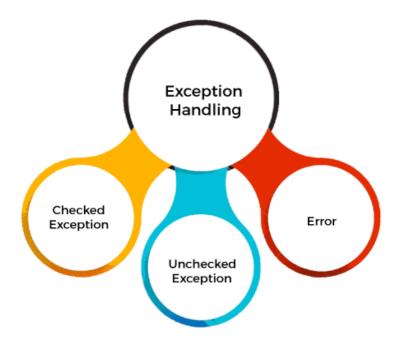
- Exception is an abnormal condition.
- In Java, an exception is an event that disrupts the normal flow of the program. It is an object which is thrown at runtime.

#### What is Exception Handling:

☐ Exception Handling is a mechanism to handle runtime errors such as ClassNotFoundException, IOException, SQLException, RemoteException, etc.

### **Types of Java Exceptions:**

- □ There are mainly two types of exceptions: checked and unchecked. An error is considered as the unchecked exception. However, according to Oracle, there are three types of exceptions namely:
- 1. Checked Exception
- 2. Unchecked Exception
- 3. Error



# **Hierarchy of Java Exception classes:**

☐ The java.lang.Throwable class is the root class of Java Exception hierarchy inherited by two subclasses:

Exception and Error. The hierarchy of

Java Exception classes is given below:

