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**Final, finally and finalize; User  
Defined Exceptions in Java**

## **=> try-catch-finally combinations :-**

➔ Note : We can use either catch or finally or both with try block

## **=> What is difference between final, finally & finalize ?**

-> "final" is the keyword

"finally" is the block

"finalize" is the method

-> "final" keyword can be used with variable (the value cannot be changed or re-assigned the final variable), method (we cannot override the final method) & class (we cannot inherit the final class)

"finally" block is used to close the resources

"finalize" is the Object class method which is executed just prior to the garbage collector (or gc())

method). It is used to perform the clean-up activity related to the object.

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### **=> User Defined Exceptions :-**

- ➔ User defined exceptions can be Checked or Unchecked exceptions
- ➔ While we create an API we normally create Checked Exceptions
- ➔ When we want to create normal exception then we can use Runtime Exceptions
- ➔ To create Checked Exception we have to use "Exception" class
- ➔ To create Unchecked Exceptions we have to use "RuntimeException" class

## **-> Steps to create User Defined Exceptions :-**

1. Create a user defined exception class and inherit Exception or RuntimeException class
2. Create a parametrized constructor
3. "throw" the exception and handle it



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