



Objective:

1. To create and use the packages
 2. To throw the pre-defined and custom-defined exceptions.
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1. Create a package named `myPack.CurrConvertor` to implement the currency converter (Dollar to INR, EURO to INR, Yen to INR and vice versa). Write a java program which uses this package to convert the given currency into other currency type.

Use the pre-defined exception `java.lang.NumberFormatException` (checked) to throw the error whenever the given input currency is not in the required format.

2. Create a class named “Account” which contains customer name, `acct_num`, branch, balance, PAN. Write a method for deposit and withdrawal.

a. In deposit, if the customer deposits amount more than 50000, then throw the user defined exception “`PANRequiredException`”.

b. In withdrawal, check for the minimum balance before the withdrawal i.e., the minimum balance $>$ balance - withdrawal. Else throw “`MinBalRequiredException`” exception. If the withdrawal is more than the balance then throw “`NotEnougMoneyInAccountException`”.

c. Search for a particular `acct_num`. If not present then throw “`AccountNotFoundException`”.

Customize-define Exception:

When defining a custom-defined exception use the `String toString()` method to display the custom defined error messages (description) instead of regular error format – exception object:error description.

Design a class called Account as described below:

Account
<div><div>-cname:String</div><div>-pan:int</div><div>-accno:int</div><div>-branch:String</div><div>-balance:float</div></div>
<div><div>+Account(cname,pan,accno,branch,balance)</div><div>+getMethod(): all - fields</div><div>+deposit(accno, amt):void</div><div>+withdraw(accno, amt):void</div><div>+search(accno)throws AccountNotFound</div><div>+toString():String</div></div>

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