

Java Exercises – 06-04-2023

Write a Java program that checks the withdrawal limit of the customer using user-defined exception. The program should raise a low balance exception and prints a low balance message, if the balance amount is below 3000 and a withdrawal transaction is initiated.

- 1)
- 2) Create a class called Course with members: courseName(String), instructorName(class Instructor), an array of textbooks(class Textbook) and methods: constructor with arguments, get methods and toString method. Implement interface comparable to check whether the given two Courses has the same instructorName. Write a Test class to instantiate objects and call the methods.
- 3) Define a class called Time that has data fields: seconds, minutes and hour of type integer. Time should have setSecond(), setMinute(), setHr() and constructors (default), toString() that will print the details of Time instance. Modify this Time class such that IllegalArgumentException is thrown if the set methods gets arguments less than zero and greater than 59.

When initialising second, minute, hour using set methods ensure that the argument passed is not less than zero and not greater than 59, throw IllegalArgumentException in the method.

Note : IllegalArgumentException is thrown in order to indicate that a method has been passed an illegal or inappropriate argument