JAVA

SESSION 8: EXCEPTION HANDLING & FILE HANDLING, ANNOTATIONS

Assignment 1

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1. Introduction

This assignment will test your knowledge on Exception Handling

2. Objective

This assignment will help you to master the following concepts:

- User-defined Exceptions

- throw and throws

- Logic Building

3. Prerequisites

Not applicable.

4. Associated Data Files

Not applicable.

5. Problem Statement

Create a class BankAtm with following properties and methods-
Properties:
  atmId;
  bankName;
  location;
  balance

Methods:
  withdraw(double amt)
  deposit(double amt)

The withdraw method should check the available balance in the ATM before deducing the amount from the balance. If the balance is less than 10000 the withdrawal should not be allowed and a user defined exception BankATMException should be thrown. The withdrawal should also not be allowed if the amount to be withdrawn is greater than balance.

Create a user defined exception class BankATMException class that will be created whenever withdrawal is done for balance less than 10000.

Create an application Bank having 3 BankAtm objects. Every time withdraw method is called on the BankAtm object the balance should be subtracted.

6. Expected Output

Generating BankATMException whenever withdrawal is done for balance less than 10000.

7. Approximate Time to Complete Task

1 hr