

Lab Task 7

Mr. Rafiq is 30 years old. He has an account. An account has a number, balance, and type. Account type can be Platinum, Gold, Silver, or Normal account. Rafiq can deposit or withdraw money from the account. The account number should be in a fixed format. Like district code (3 digits) - bank code (2 digits) - number (6 digits). Example: 123-05-230451. If the format is not maintained then an exception AccountNumberFormat will occur.

This scenario can be associated with many persons. Now, as a programmer implement the scenario in an object-oriented language.

- Use enumeration to represent account type.
- Use a custom exception to define AccountNumberFormat exception.
- Use standard input/output to take the name, age, account number, balance, and type.
- If an account number format exception occurs, handle the exception by requesting another input from the user. Finally, show a message that the account successfully created or not.