SAKARYA UNIVERSITY

FACULTY OF COMPUTER AND INFORMATION SCIENCES

DEPARTMENT OF COMPUTER ENGINEERING (2)

INTRODUCTION TO PROGRAMMING

ASSIGNMENT NUMBER: **2**

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The following C++ program is a simple object-oriented example that allows users to create and manage accounts for a newly established cryptocurrency platform. The system enables users to create and manage both general and private bank accounts, performing various account operations. Each account is assigned a randomly generated account number between 100 and 999. Users are prompted to select their desired options from a menu. Additionally, the opening date is obtained from the system's date and time.

The program includes GeneralAccount and PrivateAccount classes, both derived from the Account class. Both classes contain functions to perform daily increases and monthly decreases or random decreases. The AccountOperations function allows users to perform various operations on their accounts. Users can buy and sell cryptocurrency, check their balance, view profit and loss ratios, list opened private and general accounts, and exit the system. Furthermore, the program allows users to create a new account after exiting.