

Assignment 8

Q1. Write a user defined function factorial() that calculates factorial of given number and it throws exception if number entered by user is negative.

Q2. Write a class to store Account information of Bank customer by using following class diagram. Use enum to store information of account type. Create an array of 5 Accounts in main() and accept their details from user. Write Menu driven program to deposit/withdraw amount from the account. After each transaction display updated account balance. Provide appropriate getters/setters with necessary validations. Throw exceptions for invalid values. Also implement an exception class InsufficientFunds. In withdraw() member function, if sufficient balance is not available in account, throw this exception.

