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|  | **AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)**  Faculty of Science and Technology (FST)  **Department of Computer Science (CS)**  Introduction to Programming [**LAB Task on Class**] |

Department of Computer Science, AIUB

1. **Use the information below to develop the class Account**

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| **Class Name** | **Type and Variable Name** | **Hints** |
| Account | Account Name  Account No  Balance  Account Type | Declare member variables private. User setter and getter methods. |
| Create 2 Constructor empty and parameterized  Create a Destructor |  |
| deposit(int amount) | Adds amount to balance |
| Withdraw(int amount) | Subtracts amount from balance |
| Transfer(int amount, Account \*receiver) | Transfer amount from one account to another account |
| ShowAccountDetails() |  |

Demonstrate the use of Account class by creating several Account type Object and perform different types of operation like deposit, transfer etc.

1. **Use the information below to develop the class Mobile**

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| **Class Name** | **Type and Variable Name** | **Hints** |
| Mobile | Mobile Owner Name  Mobile Number // SIM number  Mobile Balance  Mobile OS Name  Lock Status // true means phone is locked  // false means unlocked | Declare member variables private. User setter and getter methods. |
| Create 2 Constructor empty and parameterized  Create Destructor  ShowInfo()  Recharge(int amount)  CallSomeone(int timeDuration) // per minute  //cost=0.5 taka | Lock has to be false to show or recharge or call someone, so check the lock flag/Boolean variable |

Demonstrate the use of Mobile class by creating several Mobile type Object and perform different types of operation.