

CS 202: IT Workshop I

Assignment V

1. Write a simple Java program to create an **arraylist** of Strings. Perform different operations supported by the class ArrayList on it. Make it user menu driven.

Account
<ul style="list-style-type: none">- accountNumber: int- accountType: String- serviceBranchIFSC: String- minimumBalance: float- availableBalance: float- customerID: int- customerName: String- <u>totalAccountCreated: int</u>
<pre><<constructor>> Account () + setDetails () + getDetails (accoutNo: int): String + updateDetails(accoutNo: int): void + getBalance (accoutNo: int): float + deposit (accoutNo: int, amount: float) + withdraw (accoutNo: int, amount: float) + <u>totalAccount(): int</u> + compare (account1: Account, account2:Account)</pre>

2. Consider a Banking Application System and implement the following in Java. The variable/method names indicate their usual meanings. The methods (deposit, withdraw, etc.) will be invoked for one object at a time and this will be identified by the account number which is passed as a parameter or can also be taken from the user.

- Design the above class and create an **arraylist** for keeping information about the accounts (objects).
- Design a menu-driven interface for the user. Keep options for i) Creating a new account, ii) Deleting an account, iii) Modify details of an account (along with other options).