Marks

1. Create a Java Project Named **AccountDemo**. Inside the same package (folder) create a new class named **Account**. There should be two classes: **AccountDemo** [which has the main method] **Account**	1
2. Inside the **Account** class declare **3** <u>**public**</u> variables. The datatypes are given inside the bracket: **accountID (int), balance (double), transactionType (String).**	1

3. Declare **2** Constructors in **Account Class:**
   a. A constructor that takes no parameters and initializes the variables as:
      accountID = 0
      balance = -1.0
      transactionType = null
   b. Another Constructor which takes all the variables as parameter and assigns those parameters to the class variables.
	3

4. Declare a <u>**public**</u> method called **changeBalance(double x)** in **Account Class** whose return type is **double** and takes a double variable as parameter. The method calculates the final balance and returns it. If **transactionType** is equal to the String **"debit"** then the amount given in the parameter of the method is deducted from the total balance. Otherwise if **transactionType** is equal to the String **"credit"** then it is added to the balance. **For example**: if balance = 5000, transactionType = "debit" and x = 50 , then balance = 5000 - 50 = 4950 **If** transactionType = "credit" then balance = 5000 + 50 = 5050	3
5. Now print the **accountID, balance and transactionType** in the main method inside the **AccountDemo** class. Also print the discounted price by calling the method **changeBalance(value)** of the Account class in the main method.	2

Please Go the Next Page

	Total: 10

Sample Output
Account ID is : 1001 Original Balance : 5000.0 Transaction Type : debit Changed Balance : 4950.0

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