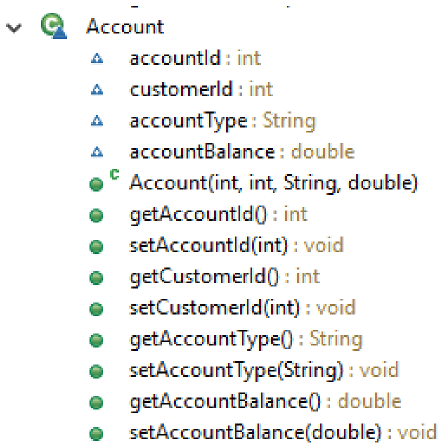
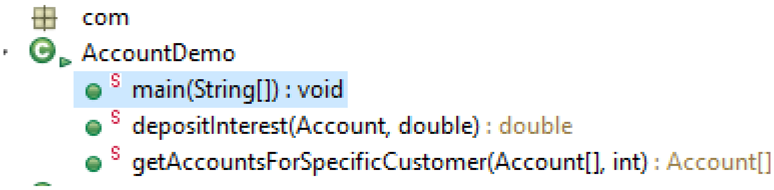
Create package com

Create class Account in com package with attributes as below. Constructor takes parameters in same sequence as per the image. Create getters and setters.



```
Account
    accountId : int
    customerId : int
    accountType : String
    accountBalance : double
    Account(int, int, String, double)
    getAccountId() : int
    setAccountId(int) : void
    getCustomerId() : int
    setCustomerId(int) : void
    getAccountType() : String
    setAccountType(String) : void
    getAccountBalance() : double
    setAccountBalance(double) : void
```

Create class AccountDemo in com package with main method and other two static methods as below.



```
com
AccountDemo
    main(String[]) : void
    depositInterest(Account, double) : double
    getAccountsForSpecificCustomer(Account[], int) : Account[]
```

Method “depositInterest” will take one Account object and double value. The double value represents interest percentage out of 100. Method will update balance of the object passed increasing as per mentioned percentage and return the updated balance value.

Method `getAccountsForSpecificCustomer` will take array of Account objects and customer id. It will return array of accounts with specified customer id in descending order of account id.

Please ensure that class names, attribute names, method signature etc. is same as above. Else your code will fail and score would be zero.

Refer below sample main method and test the output. You can copy the same code in main method and test the implementation.

Next submit the code in iASCERT for evaluation. Also, upload the code in iON assignment activity.

Sample main method:

```
public static void main(String[] args) {
		// TODO Auto-generated method stub
		
		Account[] accounts = new Account[5];
```

```
        accounts[0] = new Account(1,1,"SA",10000);
        accounts[1] = new Account(2,2,"CA",20000);
        accounts[2] = new Account(3,1,"SA",30000);
        accounts[3] = new Account(4,2,"CA",40000);
        accounts[4] = new Account(5,3,"SA",50000);

        double d = AccountDemo.depositInterest(accounts[0], 10.0);
        System.out.println(d);
        System.out.println(accounts[0].getAccountBalance());

        Account[] acc = AccountDemo.getAccountsForSpecificCustomer(accounts, 2);

        for(Account a : acc)
        {
            System.out.println(a.getAccountId());
        }

    }
```

Output:

```
11000.0
11000.0
4
2
```