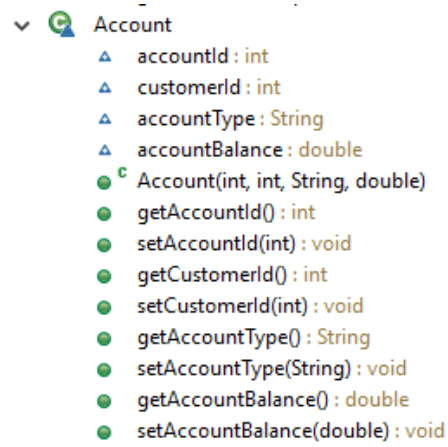
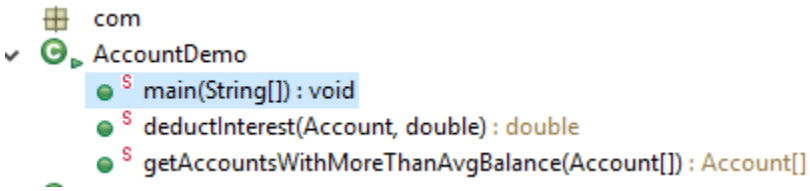
Create package com

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



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



Method “deductInterest” 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 decreasing as per mentioned percentage and return the updated balance value.

Method `getAccountsWithMoreThanAvgBalance` will take array of Account objects. It will return array of accounts where balance is more than average balance of all accounts.

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.deductInterest(accounts[0], 10.0);
		System.out.println(d);
		System.out.println(accounts[0].getAccountBalance());

		Account[] acc = AccountDemo.getAccountsWithMoreThanAvgBalance(accounts);

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

	}
```

Output:

```
9000.0
9000.0
3
4
5
```