```
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🛮 MapEx.java 🔻 PlayerMain.java 🔛 Main.java 🔻 Account.java 🗡 Customer.java

☑ Bill.iava

  1 package third;
  3 public class Account {
          private int acctno;
private double balance;
  5
  6
  8
          //Constructors
  9⊝
          Account(){
 10
 11
         public Account(int acctno, double balance) {
 12⊝
             super();
 13
 14
             this.acctno = acctno;
 15
             this.balance = balance;
 16
 17
         //getters-setters
public int getAcctno() {
   return acctno;
 18
 19⊝
 20
21
 22<sub>©</sub>
23
         public void setAcctno(int acctno) {
             this.acctno = acctno;
 24
25<sub>9</sub>
         public double getBalance() {
 26
27
             return balance;
 28⊜
         public void setBalance(double balance) {
 29
             this.balance = balance;
 30
 31
 32
33⊝
         //toString method
         @Override
         public String toString() {
   return "Acctno=" + acctno + ", balance=" + balance + "|";
 35
 36
 37 }
38
                                                    Writable
                                                                        Smart Ins
```

## **Customer Class**

src/third/Customer.java - Eclipse IDE

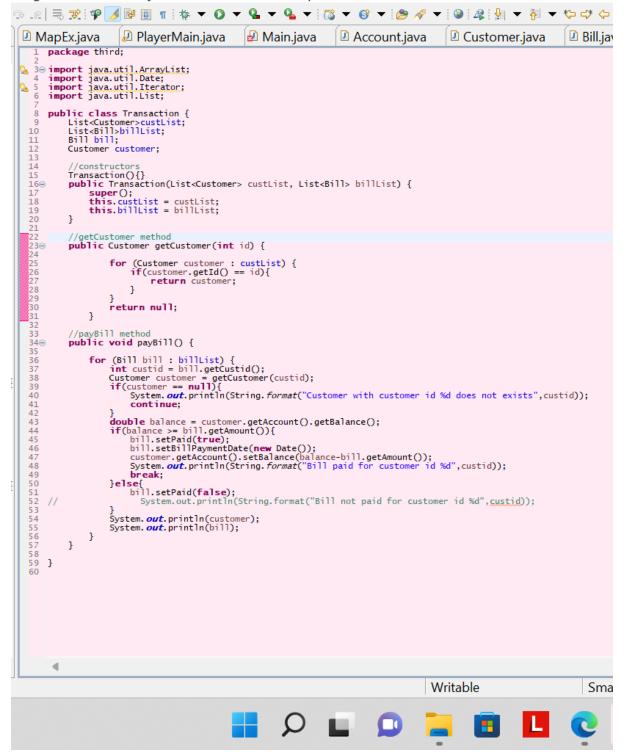
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   ② MapEx,java ② PlayerMain,java ② Main,java ② Account,java ② Customer,java × ② Bill,java ② Transaction,jav ② ObjectListEx,ja ② Mair package third;
    public class Customer {
    //fields
    private int id;
    private String name;
    private String phone;
    private Account account;
//constructors
Customer(){}
public Customer(int id, String name, String phone, Account account) {
    super();
    this.id = id;
    this.name = name;
    this.phone = phone;
    this.account = account;
}
                    //setter-getter
public int getId() {
    return id;
                    public void setId(int id) {
    this.id = id;
                    public String getName() {
    return name;
                    public void setName(String name) {
    this.name = name;
}
                    public String getPhone() {
    return phone;
}
                    public void setPhone(String phone) {
   this.phone = phone;
}
                    public Account getAccount() {
    return account;
                    }
public void setAccount(Account account) {
    this.account = account;
                   this.account
}

//toString()
@Override
public String toString() {
    return "Customer Details:\nCustomerid=" + id + ", name=" + name + ", phone=" + phone + ", " + account + "";
}
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```
🔟 MapEx.java 🔎 PlayerMain.java 🔛 Main.java 🔟 Account.java 🔟 Customer.java
 package third;
import java.util.Date;
         public class Bill {
              private int id;
private int custid;
private Date billGenerationDate;
private Date billPaymentDate;
private double amount;
private boolean paid;
              //Constructors
Bill(){}
public Bill(int id, int custid, Date billGenerationDate, Date billPaymentDate, double amount, boolean paid) {
    super();
    this.id = id;
    this.billGenerationDate = billGenerationDate;
    this.billPaymentDate = billPaymentDate;
    this.billPaymentDate = billPaymentDate;
    this.amount = amount;
    this.paid = paid;
}
   12
13
14 (=)
15
16
17
18
19
20
21
22
23
24
25 (=)
26
27
28 (=)
29
30
31 (=)
              //getters-setters
public int getId() {
   return id;
               public void setId(int id) {
   this.id = id;
              public int getCustid() {
    return custid;
    32
33
34⊝
               public void setCustid(int custid) {
   this.custid = custid;
               public Date getBillGenerationDate() {
   return billGenerationDate;
    39
40⊝
               }
public void setBillGenerationDate(Date billGenerationDate) {
   this.billGenerationDate = billGenerationDate;
   41
42
43
44
45
46
47
              public Date getBillPaymentDate() {
   return billPaymentDate;
               public void setBillPaymentDate(Date billPaymentDate) {
   this.billPaymentDate = billPaymentDate;
   48
499
50
51
              public double getAmount() {
    return amount;
               public void setAmount(double amount) {
    this.amount = amount;
               public boolean isPaid() {
    return paid;
   55⊜
56
57
58⊜
              }
public void setPaid(boolean paid) {
    this.paid = paid;
   59
60
61
62
63
64
              65
66
67
68
69 }
          4
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```
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☐ MapEx.java ☐ PlayerMain.java ☐ Main.java ☐ Account.java ☐ Customer.java
                                                                                                                               🗓 Bill.java
                                                                                                                                                  ⚠ Transaction.jav
    1 package third;
3 import java.text.DateFormat;
4 import java.util.ArrayList;
5 import java.util.Date;
6 import java.util.List;
   8 public class Main {
              public static void main(String[] args) {
    // TODO Auto-generated method stub
  10⊝
11
12
13
14
15
                     //object of Account class
Account acc1,acc2;
acc1= new Account(1,1000.0);
acc2= new Account(2,1500.50);
  16
17
                     //Objects of Customer class
Customer c1,c2;
c1= new Customer(1, "Tom", "9090901010",acc1);
c2= new Customer(2, "Jerry", "9090902020",acc2);
  18
19
20
21
22
23
24
25
26
27
28
29
//
31
33
34
35
36
37
38
40
                     List<Customer> custList = new ArravList<>():
                     //adding customers to customer list
custList.add(c1);
custList.add(c2);
                     Date billGenerationDate= new Date();System.out.println(billGenerationDate);
                     //creating bill list through ArrayList
List<Bill> billList = new ArrayList
billList.add(new Bill(1,1,new Date(1662976221000L),new Date(1962976921000L),1001,false));
billList.add(new Bill(2,2,new Date(1663062621000L),new Date(1967976921000L),500,false));
billList.add(new Bill(3,3,new Date(1663062621000L),null,1000,false));
                     Transaction tran = new Transaction(custList,billList);
tran.payBill();
  40
41
42
43
44
45
              }
                                                                                                 Writable
                                                                                                                                                                        3:29:
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```

## Output:

```
eclipse-workspace - WEEKTHREE/src/third/Main.java - Eclipse IDE

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Console 

cterminated Main (3) [Java Application] C\Users\rima.das\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (16-Sep-2022, 4:55:05 pm - 4:55:06 pm) [pid: customer Details: customer id=1, name=Tom, phone=9090901010, Acctno=1, balance=1000.0

Bill [id=1, custid=1, billGenerationDate=Mon Sep 12 15:20:21 IST 2022, billPaymentDate=Mon Mar 15 20:52:01 IST 2032, amount=1001.0, paid=false]

Bill paid for customer id 2
```