

Sub classes

Account

```
package CS425;
```

```
public abstract class Account extends customer{
```

```
public int Account_ID;
```

```
public int Account_amount;
```

```
public Account() {
```

```
    super();
```

```
    Account_ID = 0;
```

```
    Account_amount=0;
```

```
}
```

```
public Account( int Account_ID, int Account_amount, String customer_Name ) {
```

```
    super();
```

```
}
```

```
public int getA_ID() {
```

```
    return Account_ID ;
```

```
}
```

```
public int getA_amount() {
```

```
    return Account_amount;
```

```
}
```

```
public String getowner_name() {
```

```
    return customer_Name;
```

```
}
```

```
public int getC_branchID() {
```

```
    return branchID;
```

```
}
```

```
public void setAID(int Account_ID) {
```

```
    this.Account_ID = Account_ID;
```

```
}
```

```
public void setA_amount(int Account_amount) {
```

```
    this.Account_amount = Account_amount;
```

```
}
```

```
public void setowner( String customer_Name) {
```

```
    this. customer_Name = customer_Name;
```

```
}
```

```
public abstract double bankSystem();
```

```
}
```

Employee

```
public abstract class employee extends branch {
```

```

public int Employee_ID;
public String Employee_Name;
public String Employee_address;
public int Employee_SSN;

public employee() {
    super();
    Employee_ID = 0;
    Employee_Name = "default";
    Employee_address="default";
    Employee_SSN=0;
}
public employee(int Employee_ID, String Employee_Name,int branchID,String Employee_address,String
Employee_SSN) {
    super();
}

    public int getE_ID() {
        return Employee_ID;
    }

    public String getE_Name() {
        return Employee_Name;
    }

    public String getE_address() {
        return Employee_address;
    }
    public int getE_SSN() {
        return Employee_SSN;
    }
    public void setID(int Employee_ID) {
        if (Employee_ID > 0) {
            this.Employee_ID = Employee_ID;
        }
    }

    public void setName(String Employee_Name) {
        this.Employee_Name = Employee_Name;
    }
    public void setaddress(String Employee_address) {
        this.Employee_address = Employee_address;
    }
    public void setSSN(int Employee_SSN) {
        this.Employee_SSN = Employee_SSN;
    }
    public void setbranch(String branch ) {
        this.branchID = branchID;
    }
    public String toString() {

```

```

        return Employee_Name + "," + Employee_ID + "," + branchID+","+ Employee_adress +","+
Employee__SSN;
    }

```

```

        public abstract double bankSystem();
    }

```

branch

```
package CS425;
```

```

public abstract class branch {
    protected int branchID;
    public String adress;

    public branch() {
        branchID=0;
        adress="default";

    }

    public int getbranchID() {
        return branchID;
    }

    public String getadress() {
        return adress;
    }

    public void setbranchID(int branchID) {
        this.branchID = branchID;
    }

    public abstract double bankSystem();
}

```

```
package CS425;
```

```

public abstract class customer extends branch {
    public String customer_Name;
    public String customer_adress;
    public int customer_SSN;

    public customer() {
        super();
        customer_SSN = 0;
        customer_Name = "default";
        customer_adress="default";
    }
}

```

customer

```

    public customer( int customer_SSN, String customer_Name, String customer_address, int branchID ){
        super();
    }

    public int getC_SSN() {
        return customer_SSN;
    }

    public String getC_Name() {
        return customer_Name;
    }

    public String getC_address() {
        return customer_address;
    }

    public int getC_branchID() {
        return branchID;
    }

    public void setCName(String customer_Name) {
        this.customer_Name = customer_Name;
    }

    public void setCadress(String customer_adresss) {
        this.customer_adress = customer_adress;
    }

    public void setCSSN( int customer_SSN) {
        this.customer_SSN = customer_SSN;
    }

    public void setCbranch(String branch ) {
        this.branchID = branchID;
    }

    public abstract double bankSystem();
}

```

transfer

```
package CS425;
```

```

public abstract class transfer {
    int transfer_amount;
    int transferfrom_ID;
    int transferto_ID;
}

```

```

public transfer(){
    transfer_amount=0;
    transferfrom_ID=0;
    transferto_ID=0;
}

```

```
public transfer(int transfer_amount, int transferfrom_ID,int transferto_ID) {  
  
}  
public int getT_amount() {  
    return transfer_amount;  
}  
  
public int getTF_ID() {  
    return transferfrom_ID;  
}  
  
public int getTT_ID() {  
    return transferto_ID;  
}  
  
public void setT_amount(int transfer_amount) {  
    this.transfer_amount = transfer_amount;  
}  
public void setTF_ID(int transferfrom_ID) {  
    this.transferfrom_ID = transferfrom_ID;  
  
}  
public void setTT_ID(int transferto_ID) {  
    this.transferto_ID = transferto_ID;  
  
}  
  
public abstract double bankSystem();  
}
```