

# ZENSAR

## JAVA FS

### ASSIGNMENT – 6 (Mini-Project)

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**Assignment 6:**

**Assignment 6:** Update the Code

**First Change**

**Create user-defined exception**

**1. MinimumAccountBalance**

**2. InValidAccountNumber (Transfer, Withdraw, deposit)**

**Second Changes :** you have to use package concept.

Account	→ bean package
AccountInitialization,	→ service package
Bank	→ service package
MyBank	→ service package
BankTest	→ main / test package

### Small Mini Projects

#### Menu Driven Application

#### Banking Application

1. Create Account
  - a. Default Details : 1010,1011,1012 Unknown, 500
  - b. Name and Amount : 1013,Raj, 600 amount  $\geq$  500
2. Check Account Balance
3. Withdraw the amount
4. Deposit
5. Transfer

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```
abstract class AccountInitialization {
    static int accountCount=0;
    Account accounts[]=new Account[10];
        Start with 1010 (account number )
    void accountCreate() {
        account Number must be unique
        name ="Unknown"
        amount =500;
        Account ac = new Account(accno,Unknown,500);
        accounts[accountCount]
        accountCount++;
    }
    void accountCreate(name,amount) {
        accno must be unique
        amount > 500 then crate account
        assign name and amount
        Account acc = new Account(uniqueNumber);
        Call helper to set name and amount;
        accounts[accountCount]
        accountCount++;
    }
    abstract void transfer(fromaccNo,toAccNo,amount);
}
```

interface Bank

```
void withdraw          : accno, amount
void deposit           : accno, amount
void checkBalance      : accno
                        all abstract methods
```

class Account

```
private Accno
private Name
private Amount          it must be private
                        write constructor empty or parameterized.
                        helper method set the value.
                        setAccno,setName,setAmount
                        getAccno, getName,getAmount
```

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```
class MyBank extends AccountInitialization implements Bank {
    void transfer(fromaccNo,toAccNo,amount) {
        fromAccNum : 1010
        toAccoNumber : 1011
        amount      must be +ve
        fromAccoNumber may not present
        toAccoNumber may not present
        Amount is not available
        Maintain min 500 in fromAccount Number
    }
    Withdraw {
        Accno
        AccountNumber may be not present
        Amount
        Amount is not available
        Maintain min 500 in fromAccount Number
    }
    Deposit {
        Accno
        AccountNumber may be not present
        Amount
        Amount is not available
        Can't deposit more than 50,000/-
    }
    Checkbalance {
        Using account Number
    }
}
```

## BankTest App

Main method

Do {

Switch() {

1. Create Account
  - a. Default details
  - b. Name and Amount pass;
2. Check Account Balance

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3. Withdraw the amount
4. Deposit
5. Transfer
6. Exit the Application

}

Do want to continue.

}while(condition)

Welcome, thank