

BankStatic.java > BankAccount > displayDetails()

```
1  class BankAccount
2  {
3      String customerName;
4      String accountNumber;
5      double balance;
6      static int accountCount=0;
7      static double interestRate;
8      static{
9          interestRate=4.5;
10         System.out.println("Static Block: Initial Interest Rate is set to : "+ interestRate);
11     }
12     BankAccount(String accountNumber, String customerName, double balance)
13     {
14         this.accountNumber=accountNumber;
15         this.customerName=customerName;
16         this.balance=balance;
17         accountCount++;
18     }
19     void deposit(double amount)
20     {
21         if(amount>0)
22             balance+=amount;
23         else {
24             System.out.println("Cannot deposit a negative number .");
25         }
26     }
27     void withdraw(double amount)
28     {
29         if(amount>balance)
30         {
31             System.out.println("There is now enough balance in your account for withdrawal.");
32         }
33         else
34         {
35             balance-=amount;
36         }
37     }
}
```

```
class BankAccount
{
    void addInterest(double year)
    {
        if(year<=0){
            System.out.println("NO time pased to add interest.");
        }
        else{
            balance+=balance*(interestRate/100.0)*year;
        }
    }
    static void changeInterestRate(double newRate)
    {
        if(newRate>0){
            interestRate=newRate;
        }
        else{
            System.out.println("Interest Rate should be a non negative value with or without decimal number.");
        }
    }
    static int getAccountCount(){
        return accountcount;
    }
    static double getInterestRate()
    {
        return interestRate;
    }
    void displayDetails(){
        System.out.println(
            "Account Number: "+accountNumber+
            "\nCustomer Name: "+customerName+
            "\nbalance: "+ String.format("%.2f",balance));
    }
}
```

```

}
class BankStatic
{
    Run main | Debug main
    public static void main (String[] args)
    {
        BankAccount acc01=new BankAccount( "ACC1001","Ram",1000.0);
        BankAccount acc02=new BankAccount( "ACC1002","Sita",2000.0);
        BankAccount acc03=new BankAccount( "ACC1003","Laxman",10000.0);

        System.out.println();
        System.out.println("Number of bank Accounts created is : "+BankAccount.getAccountCount());

        System.out.println("Intial Details");
        acc01.displayDetails();
        acc02.displayDetails();
        acc03.displayDetails();

        System.out.println("\n Adding Interests based on IInterest Rate "+BankAccount.getInterestRate()+"%");
        acc01.addInterest(0.5);
        acc02.addInterest(1.0);
        acc03.addInterest(1.5);

        System.out.println("Balance after Interest ");
        acc01.displayDetails();
        acc02.displayDetails();
        acc03.displayDetails();

        System.out.println("Changing Interest rate to 5.5%");
        BankAccount.changeInterestRate(5.5);

        System.out.println("new Interest Rate is "+BankAccount.getInterestRate());

        System.out.println("Adding interest with new interest rate");
    }
}

```

Adding interest with new interest rate
 New Balance are as follows:
 Account Number: ACC1001 Customer Name: Ram
 Balance : 1050.62
 Account Number: ACC1002 Customer Name: Sita
 Balance : 2262.43
 Account Number : ACC1003 Customer Name: Laxman.
 Balance : 11555.69.
*Ans
B10/2c.*

```

        acc01.addInterest(0.5);
        acc02.addInterest(1.0);
        acc03.addInterest(1.5);

        System.out.println("Balance after Interest ");
        acc01.displayDetails();
        acc02.displayDetails();
        acc03.displayDetails();

        System.out.println("Changing Interest rate to 5.5%");
        BankAccount.changeInterestRate(5.5);

        System.out.println("new Interest Rate is "+BankAccount.getInterestRate());

        System.out.println("Adding interest with new interest rate");

        acc01.addInterest(0.5);
        acc02.addInterest(1.0);
        acc03.addInterest(1.5);

        System.out.println("New Balance are as follows : ");
        acc01.displayDetails();
        acc02.displayDetails();
        acc03.displayDetails();

    }

}

```

```

static Block: Intial Interest Rate is set to : 4.5

Number of bank Accounts created is : 3
Intial Details
Account Number: ACC1001Customer Name: Rambalance: 1000.00
Account Number: ACC1002Customer Name: Sitabalance: 2000.00
Account Number: ACC1003Customer Name: Laxmanbalance: 10000.00

Adding Interests based on Interest Rate 4.5%
Balance after Interest
Account Number: ACC1001Customer Name: Rambalance: 1022.50
Account Number: ACC1002Customer Name: Sitabalance: 2090.00
Account Number: ACC1003Customer Name: Laxmanbalance: 10675.00
Changing Interest rate to 5.5%
new Interest Rate is 5.5
Adding interest with new interest rate
New Balance are as follows :
Account Number: ACC1001Customer Name: Rambalance: 1050.62
Account Number: ACC1002Customer Name: Sitabalance: 2204.95
Account Number: ACC1003Customer Name: Laxmanbalance: 11555.69

```