```
    pbalance2 = (pbalance2 + deposit) - (withdraw);
}

void checkmin(){
    min = 2000;
    if(pbalance2 >= 2000){
        System.out.println("MINIMUM BALANCE IS MAINTAINED AND ACC BALANCE IS :"+pbalance2);
    }
    else if(pbalance2 < 2000){
        System.out.println("{MINIMUM BALANCE IS NOT MAINTAINED");
        System.out.println("SERVICE CHARGE OF 500Rs is DEDUCTED}");
        System.out.println("ORIGIGNAL BALANCE :"+pbalance2);
        pbalance2 = pbalance2-500;
        System.out.println("AFTER DEDUCTION BALANCE :"+pbalance2);
    }
    else
        System.out.println("INVALID AMOUNT IN BANK");
}

}

class BankMain{
    public static void main(String ss[]){
        Scanner sc = new Scanner(System.in);
        account1 a = new account1();
        savings s = new savings();
        current c = new current();
        a.setd();

        System.out.println("\nTRANSACTION DETAILS ");
        s.setd1();
        c.setd2();
        System.out.println("\n----BANK BALANCE AFTER TRANSACTIONS----");
        System.out.println("SAVINGS ACCOUNT NUM("+a.saccnum+")"+"  -> "+s.pbalance1+"Rs");
        System.out.println("CURRENT ACCOUNT NUM("+a.caccnum+")"+"  -> "+c.pbalance2+"Rs");

        System.out.println("\n----CURRENT ACCOUNT MINIMUM BALANCE CHECK----");
        c.checkmin();

        System.out.println("\n----INTEREST CALCULATION OF SAVINGS ACCOUNT----");
        s.compint();

}
```

```
    System.out.print("DEPOSITED :");
    deposit = sc.nextDouble();
    System.out.print("WITHDRAWN :");
    withdraw = sc.nextDouble();
    pbalance1 = (pbalance1 + deposit)-(withdraw);
}

void compint(){
    System.out.println("\n***DETAILS OF LEND AMOUNT*");
    System.out.print("ENTER AMOUNT DEPOSITED :");
    lend = sc.nextDouble();
    System.out.print("RATE OF DEPOSITION :");
    rate1 = sc.nextDouble();
    System.out.print("NO OF YEARS DEPOSITED :");
    year1 = sc.nextDouble();
    System.out.println("\n***DETAILS OF BORROWED AMOUNT*");
    System.out.print("ENTER AMOUNT BORROWED :");
    borrow = sc.nextDouble();
    System.out.print("RATE OF BORROWED :");
    rate2 = sc.nextDouble();
    System.out.print("NO OF YEARS BORROWED :");
    year2 = sc.nextDouble();
    cib = borrow*(Math.pow(1+(rate2*0.01),year2));
    cid = lend*(Math.pow(1+(rate1*0.01),year1));
    if(cid>cib){
        ci = cid-cib;
        pbalance1 = pbalance1 + cid;
        System.out.print("\n----ACC BALANCE---- "+pbalance1);
    }
    else if(cib>cid){
        ci = cib-cid;
        pbalance1 = pbalance1 - cib;
        System.out.print("\n----ACC BALANCE---- :"+pbalance1);
    }

    else
        System.out.println("COMP INT IS ZERO AND ACCOUNT BALANCE IS :"+pbalance1);

}


lass current extends account1 {
    Scanner sc = new Scanner(System.in);
```

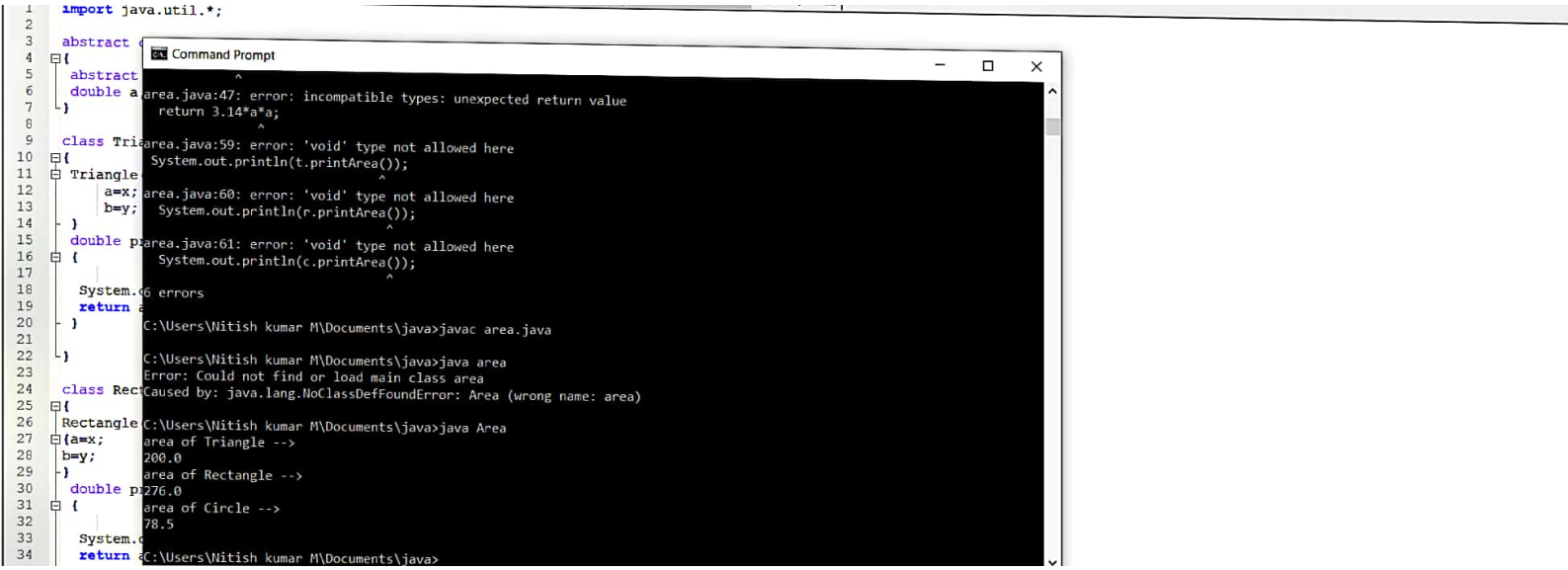
BankMain.java

```
import java.util.Scanner;
class bank{
    String bankname;
}

class account1 extends bank{
    Scanner sc = new Scanner(System.in);
    String name,acctype;
    double accnum;
    double saccnum,caccnum;
    double ci;
    double rate,principal,year;

    void setd(){
        System.out.print("CUSTOMER NAME :");
        name = sc.next();
        System.out.print("ACCOUNT TYPE :");
        acctype = sc.next();
        /*System.out.print("ACCOUNT NUMBER :");
        accnum = sc.nextDouble();*/
        System.out.print("SAVINGS ACC NUM : ");
        saccnum = sc.nextDouble();
        System.out.print("CURRENT ACC NUM :");
        caccnum = sc.nextDouble();
        /*System.out.println("ENTER PRINICIPAL AMOUNT :");
        principal = sc.nextDouble();
        System.out.println("RATE OF INTREST :");
        rate = sc.nextDouble();*/
    }
}

class savings extends account1{
    Scanner sc = new Scanner(System.in);
    double deposit,withdraw,pbalance1,borrow,lend,rate1,year1,rate2,year2,ci;
    double cib,cid;
    void setd1(){
        System.out.println("\n----SAVINGS ACCOUNT----");
        System.out.print("PRESENT BALANCE :");
        pbalance1 = sc.nextDouble();
        System.out.print("DEPOSITED :");
        deposit = sc.nextDouble();
        System.out.print("WITHDRAWN :");
        withdraw = sc.nextDouble();
        pbalance1 = (pbalance1 + deposit)-(withdraw);
```



```
import java.util.*;

abstract class Shape
{
 abstract double printArea();
 double a,b;
}

class Triangle extends Shape
{
 Triangle(double x,double y){
     a=x;
     b=y;
 }
 double printArea()
 {

  System.out.println("area of Triangle -->");
  return a*b;
 }

}

class Rectangle extends Shape
{
Rectangle(double x,double y)
{a=x;
b=y;
}
 double printArea()
 {

  System.out.println("area of Rectangle -->");
  return a*b/2;
 }
}

class Circle extends Shape
{
 Circle(double x){
     a=x;
 }
 double printArea()
 {
```