

```

    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("ORIGINAL 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();
    }
}

```

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IN

```

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System.out.print("WITHDRAWN :");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);
}

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

```

```

2  import java.util.Scanner;
3  class bank{
4      String bankname;
5  }
6  class account1 extends bank{
7      Scanner sc = new Scanner(System.in);
8      String name,acctype;
9      double accnum;
10     double saccnum,caccnum;
11     double ci;
12     double rate,principal,year;
13
14     void setd() {
15         System.out.print("CUSTOMER NAME :");
16         name = sc.next();
17         System.out.print("ACCOUNT TYPE :");
18         acctype = sc.next();
19         /*System.out.print("ACCOUNT NUMBER :");
20         accnum = sc.nextDouble();*/
21         System.out.print("SAVINGS ACC NUM : ");
22         saccnum = sc.nextDouble();
23         System.out.print("CURRENT ACC NUM :");
24         caccnum = sc.nextDouble();
25         /*System.out.println("ENTER PRINCIPAL AMOUNT :");
26         principal = sc.nextDouble();
27         System.out.println("RATE OF INTREST :");
28         rate = sc.nextDouble();*/
29     }
30 }
31
32 class savings extends account1{
33     Scanner sc = new Scanner(System.in);
34     double deposit,withdraw,pbalance1,borrow,lend,rate1,year1,rate2,year2,ci;
35     double cib,cid;
36     void setd1(){
37         System.out.println("\n----SAVINGS ACCOUNT----");
38         System.out.print("PRESENT BALANCE :");
39         pbalance1 = sc.nextDouble();
40         System.out.print("DEPOSITED :");
41         deposit = sc.nextDouble();
42         System.out.print("WITHDRAWN :");
43         withdraw = sc.nextDouble();
44         pbalance1 = (pbalance1 + deposit)-(withdraw);

```

bank source file

length : 4.643 lines : 138

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INS

```

1  import java.util.*;
2
3  abstract
4  {
5      abstract
6      double a
7  }
8
9  class Tri
10 {
11     Triangle
12     {
13         a=x;
14         b=y;
15     }
16     double p
17     {
18         System.out.println(t.printArea());
19         return
20     }
21 }
22
23 class Rect
24 {
25     Rectangle
26     {
27         a=x;
28         b=y;
29     }
30     double p
31     {
32         System.out.println(r.printArea());
33         return
34 }

```

Command Prompt

area.java:47: error: incompatible types: unexpected return value  
return 3.14\*a\*a;

area.java:59: error: 'void' type not allowed here  
System.out.println(t.printArea());

area.java:60: error: 'void' type not allowed here  
System.out.println(r.printArea());

area.java:61: error: 'void' type not allowed here  
System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

System.out.println(c.printArea());

```

2  // java.util.*;
3  abstract class Shape
4  {
5      abstract double printArea();
6      double a,b;
7  }
8
9  class Triangle extends Shape
10 {
11     Triangle(double x,double y){
12         a=x;
13         b=y;
14     }
15     double printArea()
16     {
17
18         System.out.println("area of Triangle -->");
19         return a*b;
20     }
21 }
22
23
24 class Rectangle extends Shape
25 {
26     Rectangle(double x,double y)
27     {a=x;
28      b=y;
29     }
30     double printArea()
31     {
32
33         System.out.println("area of Rectangle -->");
34         return a*b/2;
35     }
36 }
37
38 class Circle extends Shape
39 {
40     Circle(double x){
41         a=x;
42     }
43     double printArea()
44     {

```

```
Command Prompt

C:\Users\Nitiish kumar M\Documents\java>java BankMain
CUSTOMER NAME :n
ACCOUNT TYPE :sav
SAVINGS ACC NUM : 67
CURRENT ACC NUM :67

TRANSACTION DETAILS

----SAVINGS ACCOUNT----
PRESENT BALANCE :56
DEPOSITED :67
WITHDRAWN :9

----CURRENT ACCOUNT----
PRESENT BALANCE :34
DEPOSITED :6
WITHDRAWN :0

----BANK BALANCE AFTER TRANSACTIONS----
SAVINGS ACCOUNT NUM(67.0) -> 114.0Rs
CURRENT ACCOUNT NUM(67.0) -> 40.0Rs

----CURRENT ACCOUNT MINIMUM BALANCE CHECK----
{MINIMUM BALANCE IS NOT MAINTAINED}
SERVICE CHARGE OF 500Rs is DEDUCTED}
ORIGINAL BALANCE :40.0
AFTER DEDUCTION BALANCE :-460.0

---INTEREST CALCULATION OF SAVINGS ACCOUNT---

***DETAILS OF LEND AMOUNT*
ENTER AMOUNT DEPOSITED :67
RATE OF DEPOSITION :3
NO OF YEARS DEPOSITED :3

***DETAILS OF BORROWED AMOUNT*
ENTER AMOUNT BORROWED :56
RATE OF BORROWED :2
NO OF YEARS BORROWED :2

----ACC BALANCE---- 187.21270900000002
C:\Users\Nitiish kumar M\Documents\java>javac area.java

C:\Users\Nitiish kumar M\Documents\java>java area
Error: Could not find or load main class area
Caused by: java.lang.NoClassDefFoundError: Area (wrong name: area)

C:\Users\Nitiish kumar M\Documents\java>java Area
area of Triangle -->
```