

```
import java.util.Scanner;
abstract class Shape
{
    int length,breadth;
    void printArea()
    {}
}
class Rectangle extends Shape
{
    double areaR;
    void printArea(){
        areaR=(length*breadth);
        System.out.println("The area of rectangle is "+areaR+" cm^2");
    }
}
class Triangle extends Shape
{
    double areaT;
    void printArea(){
        areaT=(0.5)*(length*breadth);
        System.out.println("The area of Triangle is "+areaT+"cm^2");
    }
}
```

```
}  
}  
class Circle extends Shape  
{  
  
double areaC;  
void printArea(){  
areaC=(3.14)*(length*length);  
System.out.println("The area of circle is "+areaC+"cm^2");  
}  
}  
class Main  
{  
public static void main(String args[])  
{  
Scanner A=new Scanner(System.in);  
Rectangle R1=new Rectangle();  
Triangle T1=new Triangle();  
Circle C1=new Circle();  
System.out.println("Enter the length and breadth of which u have to find the area of rectangle in cm\n");  
R1.length=A.nextInt();  
R1.breadth=A.nextInt();  
System.out.println("Enter the length and breadth of which u have to find the area of triangle in cm\n");
```

```
T1.length=A.nextInt();
T1.breadth=A.nextInt();
System.out.println("Enter the length of which u have
to find the area of circle in cm\n");
C1.length=A.nextInt();
R1.printArea();
T1.printArea();
C1.printArea();
}
}
```

Enter the length and breadth of which u have to find the area of rectangle in cm

20

5

Enter the length and breadth of which u have to find the area of triangle in cm

10

5

Enter the length of which u have to find the area of circle in cm

30

The area of rectangle is 100.0 cm²

The area of Triangle is 25.0cm²

The area of circle is 2826.0cm²

```
import java.util.Scanner;

class Bank
{
int deposit_balance;
int wthdraw_balance;
String customername;
String Account_Number;
String Account_Type;
int Balance=27890;
void accept()
{
Scanner s=new Scanner(System.in);
System.out.println("Enter the customer name\n");
customername=s.next();
System.out.println("Enter the Account Number\n");
Account_Number=s.next();
System.out.println("Enter the Account type\n");
Account_Type=s.next();
}
void display()
{
System.out.println("CUSTOMER NAME : "+customername);
System.out.println("ACCOUNT NUMBER : "+Account_Number);
```

```
System.out.println("ACCOUNT TYPE : "+Account_Type);

}

}

class curr_acct extends Bank{

int updated_balance;
int After_cwithdrawn;
int updated_lost_cbalance;


int cdepo_ba(){

updated_balance=Balance+deposit_balance;
return updated_balance;
}

int cwith_ba(){
After_cwithdrawn=((updated_balance)-(wthdraw_balance));
return After_cwithdrawn;
}

int minimum()
{
```

```
int minimum()
```

```
}  
class sav_acct extends Bank{
```

```
int supdated_balance;  
int After_swithdrawn;  
int updated_lost_sbalance;  
int compound_interest;  
int sdepo_ba(){
```

```
supdated_balance=Balance+deposit_balance;  
return supdated_balance;  
}
```

```
int interest()
```

```
{  
double r=0.08;  
int n=12;  
int t=5;  
compound_interest=(int)((supdated_balance)*(Math.pow((1+(r/n)),(n*t))));  
return compound_interest;  
}
```

```
int Swith_ba(){
After_swithdrawn=((compound_interest)-(wthdraw_balance));
return After_swithdrawn;
}
```

```
int minimum()
{
if((After_swithdrawn)<=(1000))
{
updated_lost_sbalance=((After_swithdrawn)-(100));
return updated_lost_sbalance;
}
```

```
else
return After_swithdrawn;
}
}
```

```
class Transactions{
public static void main(String args[]){
Scanner r=new Scanner(System.in);
curr_acct CA=new curr_acct();
CA.accept();
}
```



```
System.out.println("Enter the money u want to deposit in current account in rupees");
CA.deposit_balance=r.nextInt();
CA.display();
System.out.println("After your deposition of "+CA.deposit_balance+"\nNow your total balance is
RS-"+CA.cdopo_ba());
System.out.println("Enter the money you want to withdraw in rupees");
CA.withdraw_balance=r.nextInt();
System.out.println("After your withdrawal of "+CA.withdraw_balance+"\nNow your total balance is
RS-"+CA.cwith_ba());
System.out.println("After checking if u have minimum balance are not your updated total balance is
RS-"+CA.minimum());
sav_acct SA=new sav_acct();
SA.accept();
System.out.println("Enter the money u want to deposit in Saving account");
SA.deposit_balance=r.nextInt();
SA.display();
System.out.println("After your deposition of "+SA.deposit_balance+"\nNow your total balance is
RS-"+SA.sdopo_ba());
System.out.println("After interest ur updated balance is RS-"+SA.interest());
System.out.println("Enter the money you want to withdraw in Saving account");
SA.withdraw_balance=r.nextInt();
System.out.println("After your withdrawal of RS-"+SA.withdraw_balance+"\nNow your total balance is
RS-"+SA.Swith_ba());
```

```
System.out.println("After checking if u have minimum balance are not your updated total balance is  
RS-"+SA.minimum());
```

```
}  
}
```

```
rogram Files\Java\jdk1.8.0_261\bin>javac Transaction.java
```

```
rogram Files\Java\jdk1.8.0_261\bin>java Transactions
```

```
> the customer name
```

```
laxmi
```

```
> the Account Number
```

```
2356CNR678
```

```
> the Account type
```

```
personal
```

```
> the money u want to deposit in current account in rupees
```

```
CUSTOMER NAME : lakshmi
```

```
ACCOUNT NUMBER : 2356CNR678
```

```
ACCOUNT TYPE : personal
```

```
> your deposition of 890
```

```
your total balance is RS-28780
```

```
> the money you want to withdraw in rupees
```

```
1000
```

```
> your withdrawal of 28000
```

```
your total balance is RS-780
```

```
> have minimum balance below 2000 so u have lost 1000 rs
```

```
> checking if u have minimum balance are not your updated total balance is RS-580
```

```
> the customer name
```

```
laxmi
```

```
> the Account Number
```

```
123CNR9086
```

```
> the Account type
```

```
business
```

```
> the money u want to deposit in Saving account
```

```
CUSTOMER NAME : lakshmi
```

```
ACCOUNT NUMBER : 123CNR9086
```

```
ACCOUNT TYPE : business
```

```
> your deposition of 456
```

```
your total balance is RS-28346
```

```
> interest ur updated balance is RS-42231
```

```
> the money you want to withdraw in Saving account
```

```
42000
```

```
> your withdrawal of RS-42000
```

```
your total balance is RS-231
```

```
> checking if u have minimum balance are not your updated total balance is RS-131
```

```
import java.util.Scanner  
class Bank  
{  
    int deposit balance  
    int withdraw balance  
    String customer name  
    String Account Number  
    String Account Type  
    int Balance = 27890  
    void accept  
    {  
        Scanner S = new Scanner (System.in)  
        System.out.println ("Enter the customer  
        name in").  
        customer name = S.next ();  
        System.out.println ("Enter the Account  
        Number in").  
        Account Number = S.next ();  
        System.out.println ("Enter the Account type").  
        Account Type = S.next ();  
    }  
    void display ()  
    {  
        System.out.println ("Customer Name  
        + customer name).  
        System.out.println ("Account number  
        + Account - Number).  
        System.out.println ("Account type  
        + Account - Type).  
    }  
}
```

```

class curr_acct extends Bank {
    int updated_balance;
    int After - cwithdrawn;
    int updated_lost - c balance;

    int Cdepo_ba() {
        updated_balance = Balance + deposit - balance;
        return updated_balance;
        int Cwith = ((updated_balance -
        After - cwithdrawn) = (updated_balance) -
        return After - cwithdrawn;
    }
    int minimum()
    {
        if (After - cwithdrawn < - (2000))
        {
            updated_lost - c balance = ((After - cwithdrawn)
            - (2000));
            System.out.println("your have minimum
            balance below 2000 so you have to lost 200
            ");
            return updated_lost - c balance;
        }
        else
            return After - c withdrawn;
    }
}

class sav - acct extends Bank {
    int updated_balance;
    int After - s withdrawn;
    int updated_lost - s balance;

```

```

    int compound interest;
    int sdepo - ba() {
        updated_balance = Balance + deposit - balance;
        return updated_balance;
    }
    int interest()
    {
        double r = 0.08;
        int n = 12;
        int t = 5;
        compound interest = (int)
        ((updated_balance) * (Math.pow(1 + (r/n),
        (n * t))));
        return compound interest;
    }
    int swith - bal() {
        After - s withdrawn ((compound interest +
        - (withdrawn - balance));
        return After - s withdrawn;
    }
    int minimum()
    {
        if ((After - s withdrawn) <= (1000))
        {
            updated_lost - s balance = ((After s withdrawn)
            - (1000));
            return updated_lost - s balance;
        }
        else
            return After - s withdrawn;
    }
}

```



```

}
class Transaction
public static void main (String args[]) {
Scanner r = new Scanner (System.in);
curr - aut CA - new curr - acct ();
CA.accept ();
System.out.println ("Enter the money u want
to deposit in current account in rupees)");
CA.deposit - balance = r.nextInt ();
CA.display ();
System.out.println ("After your deposit of " + CA.deposit - balance + " in Now your
total balance is RS - " + CA.cdepo - bal ());
System.out.println ("Enter the money you
want to withdraw - balance = r.nextInt ();
System.out.println ("After your withdrawal of " + CA.withdraw - balance + " in Now your
total balance is RS - " + CA.cwith - bal ());
System.out.println ("After checking if u
have minimum balance are not your
updated total balance is RS - " + CA.minimum
());
Sav - acc SA - new sav - acct ();
SA.accept ();
System.out.println ("Enter the money u
want to deposit in Saving account ");
SA.display ();
System.out.println ("After your withdrawal of
RS + SA withdraw, balance + " in Now your
total balance is RS + SA.swith - bal ());
System.out.println ("After checking if u
have minimum balance

```

```

are not your updated total balance is
RS + SA.minimum ();
}
}

```

