

```
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 Area
{
    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");
    }
}
```

```
}  
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 Area  
{  
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();  
}  
}
```



Transaction - Notepad

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```
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(){
```

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```
return updated_balance;
}
int cwith_ba(){
After_cwithdrawn=((updated_balance)-(wthdraw_balance));
return After_cwithdrawn;
}
int minimum()
{
if((After_cwithdrawn)<=(2000))
{
updated_lost_cbalance=((After_cwithdrawn)-(200));
System.out.println("you have minimum balance below 2000 so u have lost 200 rs");

return updated_lost_cbalance;

}

else
return After_cwithdrawn;

}

}

}
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;
}
```



## Transaction - Notepad

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```
int After_withdrawn;
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_withdrawn=((compound_interest)-(wthdraw_balance));
return After_withdrawn;
}

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

else
return After_withdrawn;
}
}

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");
}
```

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```
return updated_lost_sbalance;
```

```
}
```

```
else
```

```
return After_withdrawn;
```

```
}
```

```
}
```

```
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.cdepo_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.sdepo_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());
```

```
}
```

```
}
```

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Administrator: Command Prompt

Microsoft Windows [Version 10.0.18362.836]  
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C:\Windows\system32>cd C:\Program Files\Java\jdk1.8.0\_261\bin

C:\Program Files\Java\jdk1.8.0\_261\bin>javac Area.java

C:\Program Files\Java\jdk1.8.0\_261\bin>java Area

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

6

7

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

8

9

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

7

The area of rectangle is 42.0cm^2

The area of Triangle is 36.0cm^2

The area of circle is 153.86cm^2

C:\Program Files\Java\jdk1.8.0\_261\bin>

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Administrator: Command Prompt - java Transactions

The area of circle is 153.86cm<sup>2</sup>

C:\Program Files\Java\jdk1.8.0\_261\bin>javac Transaction.java

C:\Program Files\Java\jdk1.8.0\_261\bin>java Transactions

Enter the customer name

arfa

Enter the Account Number

56789

Enter the Account type

personal

Enter the money u want to deposit in current account in rupees

678

CUSTOMER NAME : arfa

ACCOUNT NUMBER : 56789

ACCOUNT TYPE : personal

After your deposition of 678

Now your total balance is RS-28568

Enter the money you want to withdraw in rupees

28000

After your withdrawal of 28000

Now your total balance is RS-568

you have minimum balance below 2000 so u have lost 1000 rs

After checking if u have minimum balance are not your updated total balance is RS-368

Enter the customer name

-

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