03/11/2020

(4)

(1)
```
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
}
}
class Triangle extends Shape
{
  double areaT;
  void printArea(){
  areaT = (0.5) * (length * breadth);
  System.out.println("the area of triangle is "
                     +areaT);
}
}
```

```
class circle extends shape
{
  double area;
  void print_Area(){
    area = (3.14) * (length * length);
  System.out.println("The area of circle is "+area);
  }
}

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 you 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 you have to find the
area of triangle in cm \n");
    T1.length = A.nextInt();
```

```
T1 breadth = A.nextInt();
System.out.println("Enter the length or radius of
  which you have to find the area of circle,
  (in In");
C1: length = A.nextInt();
R1.printArea();
T1.printArea();
C1.printArea();
}
}
```

(5)

(2)

```
Import java.util.scanner;

Class Bank
{
 int deposit_balance;
 int withdraw_balance;
 String customer_name;
 String Account_Number;
 String Acount_Type;
 Int Balance = 27890;
  void accept()
 {
 Scanner S = new Scanner (System.in);
 System.out.println("Enter the customer name\n");
 customer_name = 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 :" + 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_cbalance;
int cdepo_ba(){
updated_balance = Balance+deposit_balance;
return updated_balance;
}
int cwith_ba(){
After_cwithdrawn = (updated_balance) -
                   (withdrawn_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_balance;
}
else
return After_withdrawn;
}
}

Class Sav_acct extends Bank{

int Updated_balance;
int After_withdrawn;
int Updated_lost_balance;
int compound_interest;
int deposit(){
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 with_bal() {
  After_withdrawn = ((compound interest) -
                     (withdraw_balance));

return After_withdrawn;
}
int minimum()
  {
    if ((After_withdrawn) <= (1000))
  { updated_lost_balance = ((After_withdrawn)
                            - (100));
    return updated_lost_balance;
    }
    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 + "\n Now your total
balance is RS-" + CA.deposit_bal());

}
}.
```