|  |  |
| --- | --- |
|  | **Q1**  /\* |
|  | \* To change this license header, choose License Headers in Project Properties. |
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|  | \* and open the template in the editor. |
|  | \*/ |
|  | package LABEX.NO2; |
|  |  |
|  | import java.util.Scanner; |
|  |  |
|  | /\*\* |
|  | \* |
|  | \* @author manoj |
|  | \*/ |
|  |  |
|  | class student1 |
|  | { |
|  | int eng; |
|  | int tam; |
|  | int math; |
|  | int bio; |
|  | int chem; |
|  | String name; |
|  | String status; |
|  | int avg; |
|  | int tot; |
|  | void getdata() |
|  | { |
|  | Scanner in = new Scanner(System.in); |
|  | System.out.println("Enter the marks"); |
|  | eng =in.nextInt(); |
|  | tam =in.nextInt(); |
|  | math=in.nextInt(); |
|  | bio=in.nextInt(); |
|  | chem=in.nextInt(); |
|  | } |
|  | void Markcal() |
|  | { |
|  | tot=eng+tam+math+chem+bio; |
|  | System.out.println("TOTAL="+tot); |
|  | avg=(eng+tam+math+chem+bio)/5; |
|  | System.out.println("average="+avg); |
|  | System.out.println("Status calculation:"); |
|  | if((eng>40)&&(math>40)&&(tam>40)&&(chem>40)&&(bio>40)) |
|  | { |
|  | status="pass"; |
|  | System.out.println(status); |
|  | } |
|  | else |
|  | { |
|  | status="fail"; |
|  | System.out.println(status); |
|  |  |
|  | } |
|  |  |
|  | } |
|  | student1(String n) |
|  | { |
|  | name=n; |
|  | } |
|  | void display() |
|  | { |
|  | System.out.println("student name:"+name); |
|  |  |
|  |  |
|  | } |
|  | } |
|  | public class Q1 |
|  | { |
|  | public static void main(String[]args) |
|  | { |
|  | int i; |
|  | String n; |
|  | Scanner in=new Scanner(System.in); |
|  | student1 obj[]=new student1[10]; |
|  | for(i=0;i<5;i++) |
|  | { |
|  | System.out.println("Enter the student name"); |
|  | n=in.next(); |
|  | obj[i]= new student1(n); |
|  | obj[i].getdata(); |
|  | obj[i].display(); |
|  | obj[i].Markcal(); |
|  |  |
|  |  |
|  | } |
|  | } |
|  | }  **Q2** |
|  | |  |  | | --- | --- | |  | /\* | |  | \* To change this license header, choose License Headers in Project Properties. | |  | \* To change this template file, choose Tools | Templates | |  | \* and open the template in the editor. | |  | \*/ | |  | package LABEX.NO2; | |  | import java.util.Scanner; | |  |  | |  | /\*\* | |  | \* | |  | \* @author manoj | |  | \*/ | |  | public class Q2 { | |  |  | |  | public static void main(String[]args) | |  | { | |  | Scanner k=new Scanner(System.in); | |  | accountb obj=new accountb("1002","aaa"); | |  | accounta in=new accounta("1001","rak",5000); | |  |  | |  | System.out.println(in.getid()); | |  | System.out.println(in.getname()); | |  | System.out.println(in.getBalance()); | |  | in.credit(1000); | |  | in.debit(2000); | |  | System.out.println("ENTER THE AMOUNT TO BE TRANSFERED:"); | |  | int s=k.nextInt(); | |  | in.transferto(0,s); | |  | obj.transfer(s); | |  | System.out.println(in); | |  |  | |  | System.out.println(obj); | |  | } | |  |  | |  | } | |  | class accountb | |  | { | |  | String id; | |  | String name; | |  | public int balanceb=0; | |  | accountb(String i,String n) | |  | { | |  | id=i; | |  | name=n; | |  |  | |  | } | |  | void transfer(int amt) | |  | { | |  | balanceb=balanceb+amt; | |  | } | |  |  | |  | @Override | |  | public String toString() | |  | { | |  | System.out.println("displaying the final balance in account b with details"); | |  | return "name:"+name+"\nID:"+id+"\nbalance"+balanceb; | |  | } | |  | } | |  |  | |  | class accounta | |  | { | |  | String id; | |  | String name; | |  | int balance; | |  |  | |  | accounta(String i,String n,int d) | |  | { | |  | id=i; | |  | name=n; | |  | balance=d; | |  | } | |  | String getid() | |  | { | |  | return id; | |  | } | |  | String getname() | |  | { | |  | return name; | |  | } | |  | int getBalance() | |  | { | |  | return balance; | |  | } | |  | int credit(int amount1) | |  | { | |  | balance=amount1+balance; | |  | return balance; | |  | } | |  | int debit(int amount2) | |  | { | |  | if(amount2<=balance) | |  | balance=balance-amount2; | |  | else | |  | System.out.println("Amount exceeded balance"); | |  | return balance; | |  | } | |  | int transferto(int balanceb,int amount3) | |  | { | |  | if(amount3<=balance) | |  | { | |  | balance=balance-amount3; | |  | } | |  | else | |  | { | |  | System.out.println("Amount exceeded balance"); | |  | } | |  | return balance; | |  | } | |  | @Override | |  | public String toString() | |  | { | |  | System.out.println("displaying the final balance in account a with details"); | |  | return "name:"+name+"\nID:"+id+"\nbalance"+balance; | |  | } | |  | } | |  |  | |  |  | |