***COMPUTER PROJECT***

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*import java.util.\*;*

*public class Q1*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter Sum invested");*

*int p=obj.nextInt();*

*double amt1,amt2,amt3;*

*int I1,I2,I3;*

*I1=p\*1\*5/100;*

*amt1=p+I1;*

*I2=p\*2\*5/100;*

*amt2=p+I2;*

*I3=p\*3\*5/100;*

*amt3=p+I1;*

*System.out.println("Intrest for the first year is:"+I1);*

*System.out.println("Intrest for the second year is:"+I2);*

*System.out.println("Amount after three years is:"+amt3);*

*}*

*}*

*import java.util.\*;*

*public class Q2*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter Printed Price");*

*int p=obj.nextInt();*

*double dis,sales;*

*dis=p-(0.1\*p);*

*sales=p+(0.06\*p);*

*System.out.println("Amount paid by the customer:"+sales);*

*}*

*}*

*import java.util.\*;*

*public class Q3*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter Price of the article");*

*int p=obj.nextInt();*

*double dis1,dis2,dis3;*

*dis1=p-(0.3\*p);*

*dis2=p-(0.1\*p);*

*dis3=p-(0.2\*p);*

*double dis=dis2+dis3;*

*if(dis1<dis)*

*System.out.println("Discount of 30% offered by the first shopkeeper is a better offer");*

*else*

*System.out.println("Discount of 20% and 10% offered by the other shopkeeper is a better offer");*

*}*

*}*

*import java.util.\*;*

*public class Q4*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*double share=(2000\*100)/(10\*10);*

*int moreshare=(int)(3000-share);*

*System.out.println("No. of Shares he has:"+share);*

*System.out.println("No. of Shares to be purchased to meet his target:"+moreshare);*

*}*

*}*

*public class Q5*

*{*

*public static void main(String args[])*

*{*

*double x=22/(7\*180\*30);*

*double sin=Math.sin(x);*

*double y=22/(7\*180\*30);*

*double cos=Math.cos(x);*

*double z=22/(7\*180\*30);*

*double tan=Math.tan(x);*

*double min=0;*

*if((sin<cos)&&(sin<tan))*

*{min=sin;}*

*if((cos<sin)&&(cos<tan))*

*{min=cos;}*

*if((tan<cos)&&(tan<sin))*

*{ min=tan;}*

*System.out.println("sin"+sin);*

*System.out.println("cos"+cos);*

*System.out.println("tan"+tan);*

*System.out.println("The lowest of the trignometrical ratios is:"+min);*

*}*

*}*

*import java.util.\*;*

*public class Q6*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter cost price");*

*int cp=obj.nextInt();*

*System.out.println("Enter selling price");*

*int sp=obj.nextInt();*

*double p,l,pp,lp;*

*if(sp>cp)*

*{*

*p=sp-cp;*

*pp=p/cp\*100;*

*System.out.println("Profit percent:"+pp);*

*}*

*else if(cp>sp)*

*{*

*l=cp-sp;*

*lp=l/cp\*100;*

*System.out.println("Loss percent:"+lp);*

*}*

*else*

*System.out.println("no loss no profit");*

*}*

*}*

*import java.util.\*;*

*public class Q7*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter three angles of a triangle");*

*int a=obj.nextInt();*

*int b=obj.nextInt();*

*int c=obj.nextInt();*

*if(a+b+c==180)*

*{*

*System.out.println("Triangle is possible");*

*if(a==90||b==90||c==90)*

*{ System.out.println("right-angled triangle");}*

*else if(a>90||b>90||c>90)*

*{System.out.println("obtuse-angled triangle");}*

*else if(a<90&&b<90&&c<90)*

*{System.out.println("acute-angled triangle");}*

*}*

*else*

*System.out.println("Triangle is not possible");*

*}*

*}*

*import java.util.\*;*

*public class Q8*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter three numbers");*

*int a=obj.nextInt();*

*int b=obj.nextInt();*

*int c=obj.nextInt();*

*int max=0;*

*if(a==b && b==c && c==a)*

*{*

*System.out.println("They are equal");*

*}*

*else*

*{*

*if((a>b)&&(a>c))*

*{*

*max=a;*

*}*

*else if((b>c)&&(b>a))*

*{*

*max=b;*

*}*

*else*

*{*

*max=c;*

*}*

*System.out.println("The greatest number is:"+max);*

*}*

*if((a>0)&&(b>0)&&(c>0))*

*System.out.println("All positive");*

*if((a<0)&&(b<0)&&(c<0))*

*System.out.println("All negative");*

*else*

*System.out.println("The combination of positive and negative numbers");*

*}*

*}*

*import java.util.\*;*

*public class Q9*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter three sides of a triangle");*

*int a=obj.nextInt();*

*int b=obj.nextInt();*

*int c=obj.nextInt();*

*int peri=a+b+c;*

*double s=peri/2;*

*double area=Math.sqrt(s\*(s-a)\*(s-b)\*(s-c));*

*if(peri==area)*

*System.out.println("Equable Triangle");*

*else*

*System.out.println("Not an Equable Triangle");*

*}*

*}*

*import java.util.\*;*

*public class Q10*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter a number");*

*int n=obj.nextInt();*

*int r,d,p=1,s=0;*

*while(n!=0)*

*{*

*r=n%10;*

*d=n/10;*

*s+=r;*

*p\*=r;*

*}*

*if(s==p)*

*System.out.println("Special 2-digit number");*

*else*

*System.out.println("Not a Special 2-digit number");*

*}*

*}*

*import java.util.\*;*

*public class Q11*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter no.of days returned late after the due date");*

*int n=obj.nextInt();*

*double fine;*

*if(n<=5)*

*{fine=0.4\*n;}*

*else if(n<=6&&n<=10)*

*{fine=0.65\*n;}*

*else*

*{fine=0.8\*n;}*

*System.out.println("No.of days returned late after the due date:"+n);*

*System.out.println("Fine:"+fine);*

*}*

*}*

*import java.util.\*;*

*public class Q12*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter Annual Salery");*

*int sal=obj.nextInt();*

*double tax;*

*if(sal<=250000)*

*tax=0;*

*else if(sal>=250001&&sal<=500000)*

*tax=10000+(0.2\*(sal-500000));*

*else if(sal>=500001&&sal<=1000000)*

*tax=0.1\*(sal-250000);*

*else*

*tax=25000+(0.3\*(sal-1000000));*

*System.out.println("Salary:"+sal);*

*System.out.println("Income tax to be paid:"+tax);*

*}*

*}*

*import java.util.\*;*

*public class Q13*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter English marks");*

*int e=obj.nextInt();*

*System.out.println("Enter Maths marks");*

*int m=obj.nextInt();*

*System.out.println("Enter Science marks");*

*int s=obj.nextInt();*

*if(e>=80&&m>=80&&s>=80)*

*{System.out.println("Pure science");}*

*else if(e>=80&&m>=60&&s>=80)*

*{System.out.println("Bio science");}*

*else if(e>=60&&m>=60&&s>=60)*

*{System.out.println("Commerce"); }*

*}*

*}*

*import java.util.\*;*

*public class Q14*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter Employee's number");*

*int num=obj.nextInt();*

*System.out.println("Enter Employee's age");*

*int age=obj.nextInt();*

*System.out.println("Enter Employee's salary");*

*int sal=obj.nextInt();*

*double hra,da=0,pf,epf,gs,ns;*

*hra=0.4\*sal;*

*pf=0.12\*sal;*

*epf=0.02\*sal;*

*gs=sal+da+hra;*

*ns=gs-(pf-epf);*

*System.out.println("Enter the category type- M or F ");*

*String cat=obj.next();*

*cat=cat.toUpperCase();*

*if(cat=="M"&&gs<250000||cat=="F"&&gs<300000)*

*System.out.println("Not an Income Tax Payer");*

*else*

*System.out.println("Income Tax Payer");*

*System.out.println("Gross Salary:"+gs);*

*System.out.println("Net Salary:"+ns);*

*}*

*}*

*import java.util.\*;*

*public class Q15*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter Sum in term deposit scheme");*

*int p=obj.nextInt();*

*System.out.println("Enter age of the customer");*

*int age=obj.nextInt();*

*System.out.println("Enter term of the customer");*

*int term=obj.nextInt();*

*double rate,amt;*

*if(age<60)*

*{*

*if(term<1)*

*{rate=0.075;*

*}*

*if(term<2)*

*{rate=0.085;*

*}*

*if(term<3)*

*{rate=0.095;*

*}*

*else*

*rate=0.1;*

*}*

*else*

*if(term<1)*

*{rate=0.08;*

*}*

*if(term<2)*

*{rate=0.09;*

*}*

*if(term<3)*

*{rate=0.1;*

*}*

*else*

*rate=0.11;*

*amt=p+rate\*p;*

*System.out.println("Amount Deposited\t Term\t Age\t Interest earned\t Amount paid");*

*System.out.println(p+"\t\t\t"+term+"\t"+age+"\t\t"+rate+"\t\t"+amt);*

*}*

*}*

*import java.util.\*;*

*public class Q16*

*{ public static void main(String args[])*

*{Scanner obj=new Scanner(System.in);*

*System.out.println("Enter the baisc salary");*

*int sal=obj.nextInt();*

*double da=0,sa=0,gs;*

*if(sal<=10000)*

*{*

*da=0.15\*sal;*

*sa=0.05\*sal;*

*}*

*else if(sal>=10001&&sal<=20000)*

*{*

*da=0.2\*sal;*

*sa=0.08\*sal;*

*}*

*else if(sal>=20001&&sal<=30000)*

*{*

*da=0.25\*sal;*

*sa=0.2\*sal;*

*}*

*else*

*{*

*da=0.3\*sal;*

*sa=0.12\*sal;*

*}gs=sal+da+sa;*

*System.out.println("Basic\tDA\tSpl.Allowance\tGross Salary");*

*System.out.println(sal+"\t"+da+"\t\t"+sa+"\t\t"+gs);}}*

*import java.util.\*;*

*public class Q17*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter weight of the parcel in grams");*

*int weight=obj.nextInt();*

*System.out.println("Enter 'O' for ordinary mail and 'E' for express mail");*

*char type=obj.next().charAt(0);*

*double chargeo=1,chargee=1;*

*if(weight<=100)*

*{*

*if(type=='O')*

*{*

*chargeo=50\*weight;*

*}*

*else if(type=='F')*

*{*

*chargee=80\*weight;*

*}*

*}*

*else if(weight<=101&&weight<=500)*

*{*

*if(type=='O')*

*{*

*chargeo=0.4\*weight;*

*}*

*else if(type=='F')*

*{*

*chargee=0.7\*weight;*

*}*

*}*

*else*

*{*

*if(type=='O')*

*{*

*chargeo=0.35\*weight;*

*}*

*else if(type=='F')*

*{*

*chargee=0.65\*weight;*

*}*

*}*

*System.out.println("Ordinary amil charge:"+chargeo);*

*System.out.println("Express mail charge"+chargee);*

*}*

*}*

*import java.util.\*;*

*public class Q18*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter name of the guest");*

*String name=obj.next();*

*System.out.println("Enter the category:'S' for Semi-Seluxe,'D'for Deluxe,'SD'for Super-Deluxe");*

*String cat=obj.next();*

*System.out.println("Enter the number of days stayed in the hotel");*

*int days=obj.nextInt();*

*double dis=0,amt=0;*

*if(cat=="S")*

*{*

*if(days<=3)*

*dis=0.1\*2500\*days;*

*if(days<=3&&days<=5)*

*dis=0.15\*2500\*days;*

*if(days<=5&&days<=10)*

*dis=0.2\*2500\*days;*

*else*

*dis=0.3\*2500\*days;*

*}*

*if(cat=="D")*

*{*

*if(days<=3)*

*dis=0.1\*3500\*days;*

*if(days<=3&&days<=5)*

*dis=0.15\*3500\*days;*

*if(days<=5&&days<=10)*

*dis=0.2\*3500\*days;*

*else*

*dis=0.3\*3500\*days;*

*}*

*if(cat=="SD")*

*{*

*if(days<=3)*

*dis=0.1\*5000\*days;*

*if(days<=3&&days<=5)*

*dis=0.15\*5000\*days;*

*if(days<=5&&days<=10)*

*dis=0.2\*5000\*days;*

*else*

*dis=0.3\*5000\*days;*

*}*

*System.out.println(" Name of the guest:"+name);*

*System.out.println("Discount"+dis);*

*System.out.println("Total amount to be paid"+amt);*

*}}*

*import java.util.\*;*

*public class Q19*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter '+' to find the sum,'-' to find the difference,'\*' to find the product");*

*char ch=obj.next().charAt(0);*

*System.out.println("Enter two nos.");*

*int a=obj.nextInt();*

*int b=obj.nextInt();*

*int sum=0,diff=0,pro=1;*

*switch(ch)*

*{*

*case '+':*

*sum=a+b;*

*System.out.println("sum:"+sum);*

*break;*

*case '-':*

*diff=a-b;*

*System.out.println("difference:"+diff);*

*break;*

*case '\*': pro=a\*b;*

*System.out.println("product:"+pro);*

*break;*

*}*

*}}*

*import java.util.\*;*

*public class Q20*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter 'F' for C to F and 'C' for F to C");*

*char choice=obj.next().charAt(0);*

*System.out.println("Enter temperature");*

*int temp=obj.nextInt();*

*double result=0.0;*

*switch(choice)*

*{*

*case 'F':*

*result=1.8\*temp+32;*

*break;*

*case 'C':*

*result=(5/9)\*(temp-32);*

*break;*

*default:*

*System.out.println("WRONG CHOICE");*

*System.out.println("Result:"+result);*

*}*

*}*

*}*

*import java.util.\*;*

*public class Q21*

*{ public static void main(String args[])*

*{Scanner obj=new Scanner(System.in);*

*System.out.println("Enter 'c' to calculate the area of circle\n's' to calculate the area of square\n'r' to calculate the area of reactangle");*

*int choice=obj.nextInt();*

*double area=0.0;*

*switch(choice)*

*{case 'c':*

*System.out.println("Enter radius to calculate the area of circle");*

*int r=obj.nextInt();*

*area=(22/7)\*r\*r;*

*break;*

*case 's':*

*System.out.println("Enter side to calculate the area of circle");*

*int s=obj.nextInt();*

*area=s\*s;*

*break;*

*case 'r':*

*System.out.println("Enter lenght and breadth to calculate the area of circle");*

*int l=obj.nextInt();*

*int b=obj.nextInt();*

*area=l\*b;*

*break;}*

*System.out.println("Area="+area);}}*

*import java.util.\*;*

*public class Q22*

*{ public static void main(String args[]){*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter:\n 1 to find the natural logarithm of the number\n 2 to find the absolute value of the number\n 3 to find the Square root of the number\n 4 to find the random number between 0 and 1");*

*int choice=obj.nextInt();*

*System.out.println("enter a no.");*

*int n=obj.nextInt();*

*double ans=0.0;*

*switch(choice)*

*{*

*case 1:*

*ans=Math.log(n);*

*break;*

*case 2:*

*ans=Math.abs(n);*

*break;*

*case 3:*

*ans=Math.sqrt(n);*

*break;*

*case 4:*

*ans=Math.random();*

*break;*

*}*

*System.out.println("Answer"+ans);*

*}}*

*import java.util.\*;*

*public class Q23*

*{public static void main(String args[]){*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter 1 to calculate the volume of cube\n2 to calculate the volume of sphere\n3 to calculate the volume of cuboid");*

*int choice=obj.nextInt();*

*double volume=0.0;*

*switch(choice)*

*{*

*case 1:*

*System.out.println("Enter side to calculate the volume of cube");*

*int s=obj.nextInt();*

*volume=s\*s\*s;*

*break;*

*case 2:*

*System.out.println("Enter radius to calculate the volume of sphere ");*

*int r=obj.nextInt();*

*volume=(4/3)\*(22/7)\*r\*r\*r;*

*break;*

*case 3:*

*System.out.println("Enter lenght, breadth and height to calculate the volume of coboid");*

*int l=obj.nextInt();*

*int b=obj.nextInt();*

*int h=obj.nextInt();*

*volume=l\*b\*h;*

*break;*

*default:*

*System.out.println("Wrong choice");*

*}*

*System.out.println("Volume"+volume);*

*}*

*}*

*import java.util.\*;*

*public class Q24*

*{ public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter:\n '1' for same direction\n '2' for opposite direction");*

*int choice=obj.nextInt();*

*System.out.println("Enter velocities");*

*int vel1=obj.nextInt();*

*int vel2=obj.nextInt();*

*System.out.println("Enter length of the trains");*

*int len=obj.nextInt();*

*int r=0,t;*

*switch(choice)*

*{*

*case 1:*

*r=vel2-vel1;*

*break;*

*case 2:*

*r=vel2=vel1;*

*break;*

*}*

*t=r/len;*

*System.out.println("relative velocity:"+r);System.out.println("time:"+t);}}*

*import java.util.\*;*

*public class Q25*

*{public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter Price");*

*int p=obj.nextInt();*

*System.out.println("Enter category:'0' for ground floor,'1' for first floor,'2' for second floor,'3' for third floor");*

*int cat=obj.nextInt();*

*double dis=0.0,amt;*

*switch(cat)*

*{*

*case 0:*

*dis=0.1\*p+0.8\*p;*

*break;*

*case 1:*

*dis=0.02\*p+0.01\*p;*

*break;*

*case 2:*

*dis=0.05\*p+0.05\*p;*

*break;*

*case 3:*

*dis=0.075\*p+0.1\*p;*

*break;*

*}*

*amt=p-dis;*

*System.out.println("Total Discount"+dis);*

*System.out.println("Price of the flat after getting the discount"+amt);*

*}*

*}*

*import java.util.\*;*

*public class Q26*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter:/n '1' for one year old\n'2' for two year old\n'3' for three year old\n'4' for four year old");*

*int choice=obj.nextInt();*

*System.out.println("Enter price");*

*int p=obj.nextInt();*

*double dep,amt;*

*switch(choice)*

*{*

*case 1:*

*dep=0.1\*p;*

*amt=p-dep;*

*break;*

*case 2:*

*dep=0.2\*p;*

*amt=p-dep;*

*break;*

*case 3:*

*dep=0.3\*p;*

*amt=p-dep;*

*break;*

*case 4:*

*dep=0.5\*p;*

*amt=p-dep;*

*break;*

*default:*

*dep=0.6\*p;*

*amt=p-dep;*

*}*

*System.out.println("original price:"+p);*

*System.out.println("depreciated value:"+dep);*

*System.out.println("Amount:"+amt);*

*}*

*}*

*import java.util.\*;*

*public class Q27*

*{*

*public static void main(String args[])*

*{*

*Scanner obj=new Scanner(System.in);*

*System.out.println("Enter name ");*

*String name=obj.next();*

*System.out.println("Enter address ");*

*String add=obj.next();*

*System.out.println("Enter amount");*

*int amt=obj.nextInt();*

*System.out.println("Enter 'L' for Laptop and 'D' for desktop");*

*char choice=obj.next().charAt(0);*

*double dis=0.0,net;*

*switch(choice)*

*{*

*case 'L':*

*if(amt>=25000)*

*{*

*dis=0;*

*}*

*else if(amt>=25001&&amt<=57000)*

*{*

*dis=5.0/100;*

*}*

*else if(amt>=57001&&amt<=100000)*

*{*

*dis=7.5/100;*

*}*

*else*

*{*

*dis=10.0/100;*

*}*

*break;*

*case 'D':*

*if(amt>=25000)*

*{*

*dis=5.0/100;*

*}*

*else if(amt>=25001&&amt<=57000)*

*{*

*dis=7.5/100;*

*}*

*else if(amt>=57001&&amt<=100000)*

*{*

*dis=10.0/100;*

*}*

*else*

*{*

*dis=15.0/100;*

*}*

*break;*

*}*

*net=amt-dis;*

*System.out.println("Name"+name);*

*System.out.println("Address"+add);*

*System.out.println("Net amount"+net);*

*}*

*}*