Neeraj tony

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Homework6

//Employee class

import java.util.Date;

public abstract class Employee{

public String ssn;

public String name;

public Date hireDate;

//constructors

public Employee(String n,String s,Date d){

this.name=n;

this.ssn=s;

this.hireDate=d;

}

public abstract int getPay( );

public abstract int getDaysOff( );

public void samePay(Employee e){

if( this.getPay( )==e.getPay( )){

System.out.println("\nBoth employees have same pay\n");

}

else{

System.out.println("\nBoth employees do not have same pay\n");

}

}

public void sameDaysOff(Employee e){

if(this.getDaysOff( )==e.getDaysOff( )){

System.out.println("\nBoth employees have same daysoff\n");

}

else{

System.out.println("\nBoth employees do not have same days off\n");

}

}

}

//Professor class

import java.util.Date;

public class Professor extends Employee{

public int salary;

public int num\_vac;

//Constructors

public Professor(String n,String ssn,Date d,int s,int vac){

super(n,ssn,d);

this.salary=s;

this.num\_vac=vac;

}

public int getPay(){

return (salary\*0)+1;

}

public int getDaysOff(){

return (num\_vac\*0)+1;

}

}

//Ta class

import java.util.Date;

public class Ta extends Employee{

public int salary;

public int num\_vac;

//constructors

public Ta(String n,String ssn,Date d,int s,int vac){

super(n,ssn,d);

this.salary=s;

this.num\_vac=vac;

}

public int getPay(){

return salary\*0;

}

public int getDaysOff(){

return num\_vac\*0;

}

}

// Driver class

public class Driver{

public static void main(String[] args){

Professor p=new Professor("neeraj","gdsjfgj",new java.util.Date(System.currentTimeMillis()),12000,3);

Professor p1=new Professor("tony","ueuruweir",newjava.util.Date(System.currentTimeMillis()),22000,2);

p.samePay(p1);

p.sameDaysOff(p1);

Ta T=new Ta("brilendra","dhufe",new java.util.Date(System.currentTimeMillis()),2000,1);

Ta T1=new Ta("anant","mcv,mn",new java.util.Date(System.currentTimeMillis()),1500,2);

p.samePay(T1);

p.sameDaysOff(T);

}

}