Assigement-10(Nov 20-11-2018)

Write a java program to implement following relationship

1. An employee has temporary address and permanent address.

Program:

**class** PermantAddress

{

**int** doorno;

String village;

String city;

**long** pincode;

**public** PermantAddress(**int** doorno, String village, String city, **long** pincode) {

**this**.doorno = doorno;

**this**.village = village;

**this**.city = city;

**this**.pincode = pincode;

}

}

**class** TemporaryAddress

{

**int** doorno;

String area;

String city;

**long** pincode;

**public** TemporaryAddress(**int** doorno, String area, String city, **long** pincode) {

**this**.doorno = doorno;

**this**.area = area;

**this**.city = city;

**this**.pincode = pincode;

}

}

**class** EmployeeData

{

**int** empid;

String name;

**double** salary;

PermantAddress paddress;

TemporaryAddress taddress;

**public** EmployeeData(**int** empid, String name, **double** salary, PermantAddress paddress, TemporaryAddress taddress) {

**this**.empid = empid;

**this**.name = name;

**this**.salary = salary;

**this**.paddress = paddress;

**this**.taddress = taddress;

}

**void** getPrintData()

{

System.***out***.println("Employee Id:"+empid);

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

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

System.***out***.println("Employee PermenatAddress:"+paddress.doorno+" ,"+paddress.village+" ,"+paddress.city+" ,"+paddress.pincode);

System.***out***.println("Employee TemporaryAddress:"+taddress.doorno+" ,"+taddress.area+" ,"+taddress.city+" ,"+taddress.pincode);

}

}

**public** **class** Employee {

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

PermantAddress obj=**new** PermantAddress(213,"chilakaluripet","Guntur",522616);

TemporaryAddress obj1=**new** TemporaryAddress(534,"subhaninagar","ongole",522606);

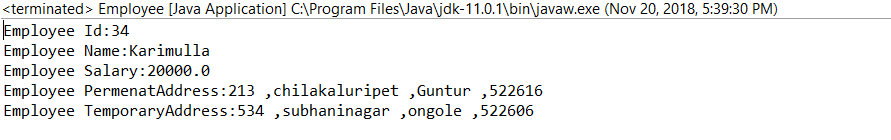
EmployeeData obj2=**new** EmployeeData(34,"Karimulla",20000,obj,obj1);

obj2.getPrintData();

}

}

Output:



1. Every car has a engine

Program:

**class** Mechanical

{

String part1;

String part2;

String part3;

String part4;

**public** Mechanical(String part1, String part2, String part3, String part4) {

**super**();

**this**.part1 = part1;

**this**.part2 = part2;

**this**.part3 = part3;

**this**.part4 = part4;

}

}

**class** Electrical

{

String components1;

String components2;

String components3;

**public** Electrical(String components1, String components2, String components3) {

**super**();

**this**.components1 = components1;

**this**.components2 = components2;

**this**.components3 = components3;

}

}

**class** CarDataDetails

{

String name;

String s1;

String s2;

Mechanical mcom;

Electrical ecom;

**public** CarDataDetails(String name,String s1, String s2, Mechanical mcom, Electrical ecom) {

**super**();

**this**.name=name;

**this**.s1 = s1;

**this**.s2 = s2;

**this**.mcom = mcom;

**this**.ecom = ecom;

}

**void** getCar()

{

System.***out***.println("car has any one of below two enginee:");

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

System.***out***.println(s1);

System.***out***.println(s2);

System.***out***.println("Mechanical Components are:");

System.***out***.println(mcom.part1+" ,"+mcom.part2+" ,"+mcom.part3+" ,"+mcom.part4);

System.***out***.println("Electrical Components:");

System.***out***.println(ecom.components1+" ,"+ecom.components2+" ,"+ecom.components3);

}

}

**public** **class** Car {

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

Mechanical obj=**new** Mechanical("Clinderpistal","Valves","Connecting Rod","Oil Pump");

Electrical obj1=**new** Electrical("Alternator","Stater Motor","Spark Plug");

CarDataDetails obj2=**new** CarDataDetails("BMW","A/C Compression","Break Disk",obj,obj1);

obj2.getCar();

}

}

Output:

