**package** Problem1;

**public** **class** Address {

**private** String street;

**private** String city;

**private** String zip;

**public** String getStreet() {

**return** street;

}

**public** String getCity() {

**return** city;

}

**public** String getZip() {

**return** zip;

}

**public** Address(String street, String city, String zip) {

**super**();

**this**.street = street;

**this**.city = city;

**this**.zip = zip;

}

}

**package** Problem1;

**public** **class** Customer {

String firstName ;

String lastName ;

String socSecurityNum ;

Address billingAddress;

Address shippingAddress;

**public** Customer(String firstName, String lastName, String socSecurityNum) {

**super**();

**this**.firstName = firstName;

**this**.lastName = lastName;

**this**.socSecurityNum = socSecurityNum;

}

**public** String toString() {

**return** "[" + firstName + ", " + lastName + ", " + "ssn: " + socSecurityNum

+ "]";

}

**public** Address getBillingAddress() {

**return** billingAddress;

}

**public** **void** setBillingAddress(Address billingAddress) {

**this**.billingAddress = billingAddress;

}

**public** Address getShippingAddress() {

**return** shippingAddress;

}

**public** **void** setShippingAddress(Address shippingAddress) {

**this**.shippingAddress = shippingAddress;

}

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

String NAMECITY="CHICAGO";

Customer pedro=**new** Customer("Pedro", "pablo", "DFDIF32304");

Customer roberto=**new** Customer("roberto", "pombo", "R84332DS");

Customer tarziso=**new** Customer("TARZISO", "pablo", "SDIDFO4332");

Address chicago=**new** Address("Avenidad siempre viva 744", NAMECITY, "3213");

Address newyork=**new** Address("SIX AV", "NEW YOUR", "4312");

Address deli=**new** Address("100n 400th st", "farfield", "3932");

pedro.setBillingAddress(chicago);

roberto.setBillingAddress(newyork);

tarziso.setBillingAddress(deli);

Customer[] database = **new** Customer[3];

database[0]=pedro;

database[1]=roberto;

database[2]=tarziso;

**for** (Customer customer : database) {

**if** (customer.getBillingAddress() != **null** )

{

**if** (customer.getBillingAddress().getCity().equals(NAMECITY) )

{

System.***out***.printf("UPPS , we get a person from %s and her name is %s , %s",NAMECITY,customer.toString(),"\n");

}

**else**

{

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

}

}

**else**

{

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

}

}

}

}