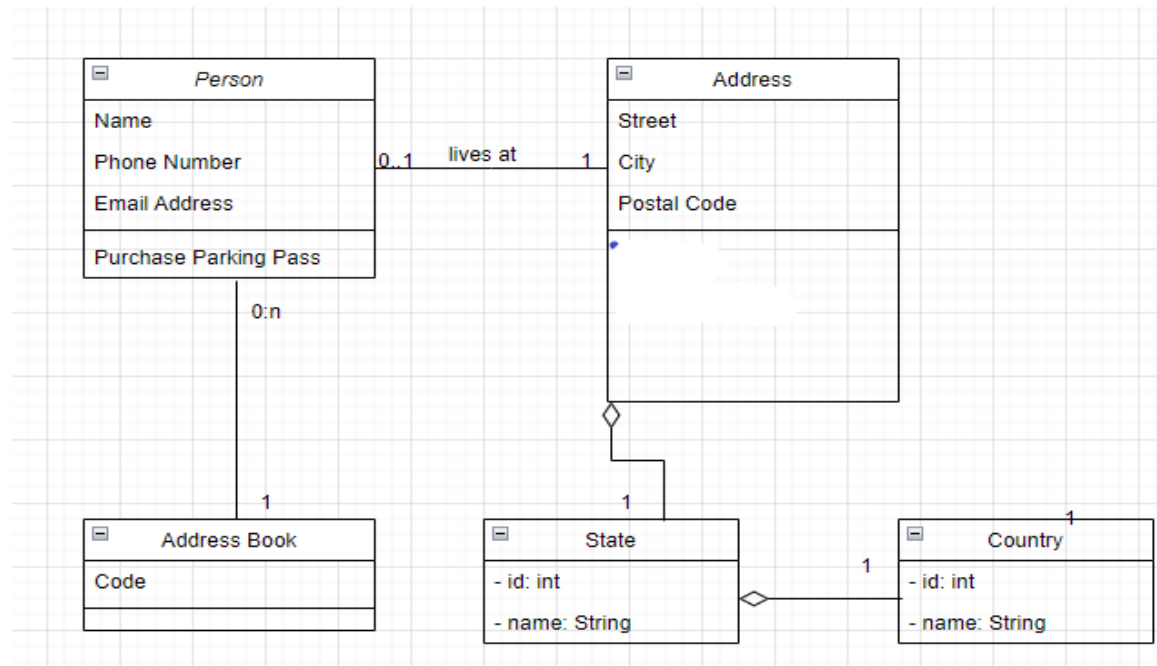


Practica CODIFONT3-Juan Ferrando



Se crea la clase Book (Address Book)

```
java x Book.java x Country.java x Address.java x
import java.lang.reflect.Array;
import java.util.ArrayList;
public class Book {

    private int code;
    private Persona personaBook;
    private ArrayList<Persona> personasBooks;

    public Book(int code) {
        this.code = code;
    }

    public Book(int code, ArrayList<Persona> personasBooks) {
        this.code = code;
        this.personaBook = personaBook;
    }

    public int getCode() {
        return code;
    }

    public void setCode(int code) {
        this.code = code;
    }

    public Persona getPersonaBook() {
        return personaBook;
    }

    public void setPersonaBook(Persona personaBook) {
        this.personaBook = personaBook;
    }

    public ArrayList<Persona> getPersonasBooks() {
        return personasBooks;
    }

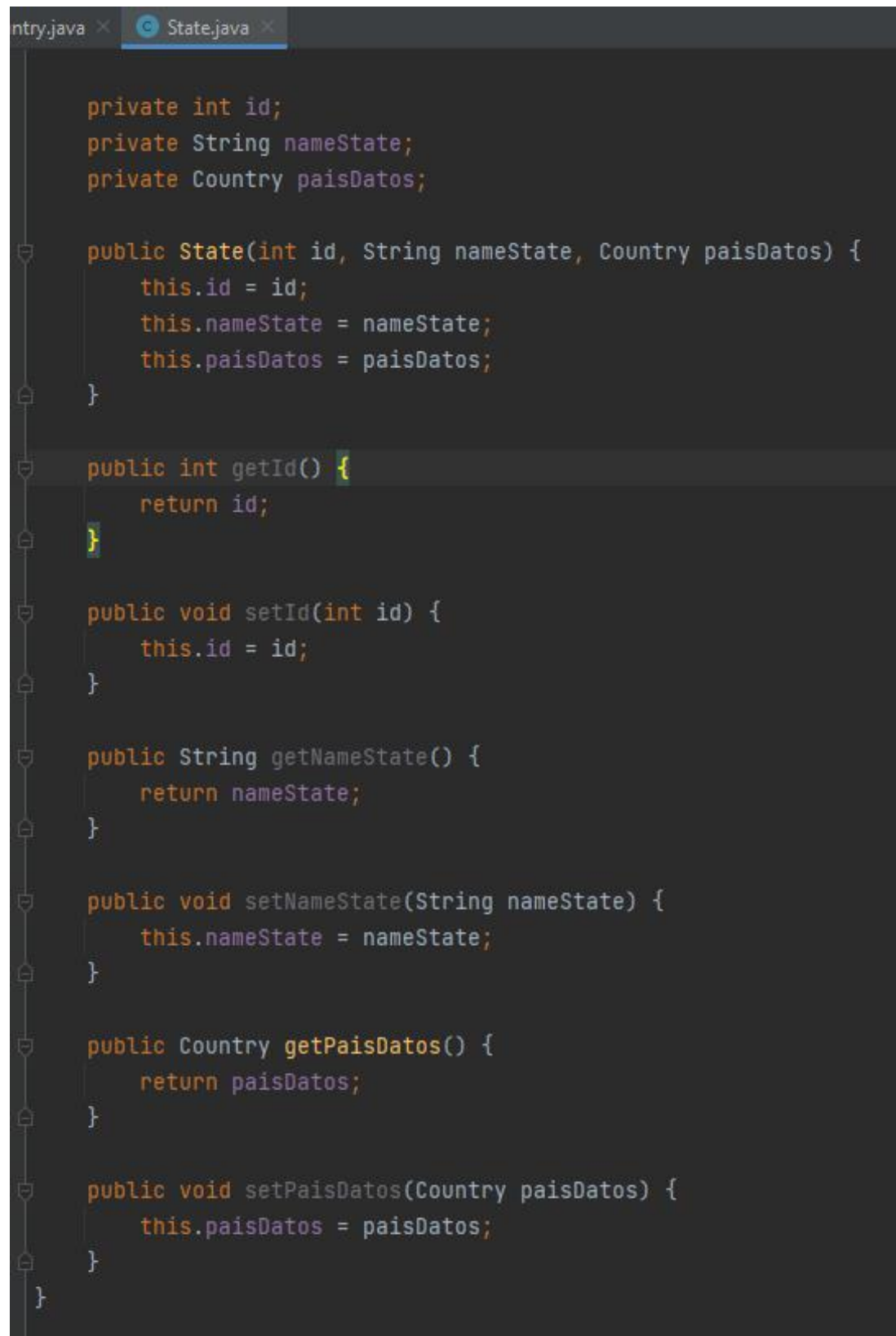
    public void setPersonasBooks(ArrayList<Persona> personasBooks) {
        this.personasBooks = personasBooks;
    }
}
```

on Control TODO Problems Terminal

Se crea clase Country:

```
java × Country.java ×  
  
public class Country {  
  
    private int idCountry;  
    private String nameCountry;  
  
    public Country(int idCountry, String nameCountry) {  
        this.idCountry = idCountry;  
        this.nameCountry = nameCountry;  
    }  
  
    public int getIdCountry() {  
        return idCountry;  
    }  
  
    public void setIdCountry(int idCountry) {  
        this.idCountry = idCountry;  
    }  
  
    public String getNameCountry() {  
        return nameCountry;  
    }  
  
    public void setNameCountry(String nameCountry) {  
        this.nameCountry = nameCountry;  
    }  
}
```

Se crea la clase State:

The image shows a screenshot of an IDE with two tabs: 'ntry.java' and 'State.java'. The 'State.java' tab is active, displaying the following Java code:

```
private int id;
private String nameState;
private Country paisDatos;

public State(int id, String nameState, Country paisDatos) {
    this.id = id;
    this.nameState = nameState;
    this.paisDatos = paisDatos;
}

public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public String getNameState() {
    return nameState;
}

public void setNameState(String nameState) {
    this.nameState = nameState;
}

public Country getPaisDatos() {
    return paisDatos;
}

public void setPaisDatos(Country paisDatos) {
    this.paisDatos = paisDatos;
}
}
```

Se crea clase Address:

```
te.java × Address.java ×  
public class Address {  
  
    private String street;  
    private String city;  
    private int postalCode;  
    private State stateAddress;  
    private Persona personaDireccion;  
  
    public Address(String street, String city, int postalCode, State stateAddress) {  
        this.street = street;  
        this.city = city;  
        this.postalCode = postalCode;  
        this.stateAddress = stateAddress;  
    }  
  
    //En esa dirección vive una persona.  
    public Address(String street, String city, int postalCode, State stateAddress, Persona personaDireccion) {  
        this.street = street;  
        this.city = city;  
        this.postalCode = postalCode;  
        this.stateAddress = stateAddress;  
        this.personaDireccion = personaDireccion;  
    }  
  
    public String getStreet() {  
        return street;  
    }  
  
    public void setStreet(String street) {  
        this.street = street;  
    }  
  
    public String getCity() {  
        return city;  
    }  
  
    public void setCity(String city) {  
        this.city = city;  
    }  
}
```


Se crea clase Persona:

```
java x Persona.java
public class Persona {

    private String name;
    private int phone;
    private String email;
    private Address addressPersona;
    private Book bookPersona;

    //Una persona ha de contener una dirección y un Address Book.
    public Persona(String name, int phone, String email, Address addressPersona, Book bookPersona) {
        this.name = name;
        this.phone = phone;
        this.email = email;
        this.addressPersona = addressPersona;
        this.bookPersona = bookPersona;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public int getPhone() {
        return phone;
    }

    public void setPhone(int phone) {
        this.phone = phone;
    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }

    public void setEmail(String email) {
        this.email = email;
    }

    public Address getAddressPersona() {
        return addressPersona;
    }

    public void setAddressPersona(Address addressPersona) {
        this.addressPersona = addressPersona;
    }

    public Book getBookPersona() {
        return bookPersona;
    }

    public void setBookPersona(Book bookPersona) {
        this.bookPersona = bookPersona;
    }

    //To-Do
    public static void purchaseParking(){

    }

    @Override
    public String toString() {
        return "Persona:" + name +
            ", telefono=" + phone +
            ", email='" + email + '\'' +
            ", addressPersona=" + addressPersona +
            ", bookPersona=" + bookPersona +
            '>';
    }
}
```

Se crea el Main

```
MainCodifont3.java x
3 ▶ public class MainCodifont3 {
4
5 ▶ public static void main(String[] args) {
6
7     Country c1 = new Country( idCountry: 1, nameCountry: "España");
8     Country c2 = new Country( idCountry: 2, nameCountry: "Portugal");
9
10    State state1 = new State( id: 1, nameState: "Comunidad Valenciana", c1);
11    State state2 = new State( id: 2, nameState: "Madrid", c1);
12    State state3 = new State( id: 3, nameState: "Aveiro", c2);
13    State state4 = new State( id: 4, nameState: "Oporto", c2);
14
15    Address address1 = new Address( street: "Calle Martin", city: "Benidorm", postalCode: 03501, state1);
16    Address address2 = new Address( street: "Rua Baqueiro", city: "Aveiro", postalCode: 95663, state3);
17    Address address3 = new Address( street: "Calle Velazquez", city: "Madrid", postalCode: 21580, state2);
18
19    Book book1 = new Book( code: 001);
20    Book book2 = new Book( code: 002);
21    Book book3 = new Book( code: 003);
22
23    Persona persona1 = new Persona( name: "Juan", phone: 658358317, email: "correo@hotmail.com", address1, book2);
24    Persona persona2 = new Persona( name: "Omar", phone: 658975124, email: "omar@hotmail.com", address2, book1);
25    Persona persona3 = new Persona( name: "Javi", phone: 687582342, email: "javi@hotmail.com", address3, book2);
26    Persona persona4 = new Persona( name: "Angel", phone: 650215978, email: "angel@hotmail.com", address3, book2);
27
28    ArrayList<Persona> personaBook2 = new ArrayList<>();
29    personaBook2.add(persona1);
30    personaBook2.add(persona3);
31    personaBook2.add(persona4);
32
33    /*Se modificaria address1, al tenerlo todo enlazado,
34     me permite navegar entre las distintas clases y coger atributos que me interese.*/
35    address1.getStateAddres().getPaisDatos().getIdCountry();
36
37    |
38 }
39 }
```