

```
package citizen;

public class Nadra {

    public static void main(String[] args) {

        Address citizenPresentAddress = new Address(35,"Bilal
Lane","Peshawar","KPK");
        NationalIdentityCard citizen = new
NationalIdentityCard("Ali","Sardar","Male","2020-02-25","KPK",
citizenPresentAddress);

        citizen.printDetails();
        citizen.getAddress();
    }

}
```

```

package citizen;

import java.time.LocalDate;

public class NationalIdentityCard {

    //states
    private int cnic;
    private String name;
    private String fatherName;
    private String gender;
    private String dateOfBirth;
    private String region;
    private static LocalDate issueDate;
    private static LocalDate expiryDate;
    private Address address;

    public NationalIdentityCard(String name, String fatherName, String
gender, String dateOfBirth, String region, Address address) {
        this(region);
        setName(name, fatherName);
        setGender(gender);
        setDateOfBirth(dateOfBirth);
        setAddress(address);
    }

    public NationalIdentityCard(String region) {
        setCnic(region);
    }

    static {
        LocalDate today = LocalDate.now();
        issueDate = today;
        expiryDate = issueDate.plusYears(10);
    }

    private void setCnic(String region) {

        if (region == "KPK") {
            this.cnic = 16202;
        }else if (region == "Punjab") {
            this.cnic = 1739;
        }else if (region == "Sindh") {
            this.cnic = 5876;
        }else if (region == "Balochistan") {
            this.cnic = 9982;
        }else {
            System.out.println("Region not found");
        }
    }
}

```

```

}
private void setDateOfBirth(String dateOfBirth) {
    String regex = "^\\d{4}-\\d{2}-\\d{2}$";
    if (dateOfBirth.matches(regex)) {
        this.dateOfBirth = dateOfBirth;
    }else {
        this.dateOfBirth = "";
        System.out.println("Invalid Date of Birth:");
    }
}

private void setGender(String gender) {
    if (gender == "Male" || gender == "Female") {
        this.gender = gender;
    }else {
        this.gender = "";
        System.out.println("Invalid gender entered.");
    }
}

private void setName(String name, String fatherName) {
    String regex = "[a-zA-Z]+$";
    if (name.matches(regex)) {
        this.name = name;
    }else {
        this.name = "";
        System.out.println("Invalid applicant name.");
    }
    if (fatherName.matches(regex)) {
        this.fatherName = fatherName;
    }else {
        this.fatherName = "";
        System.out.println("Invalid applicant father name.");
    }
}

private void setAddress(Address address) {
    this.address = address;
}

public Address getAddress() {
    address.getAddress("Present");
    return address;
}

public static void getValidityDates() {
    System.out.println("Issue Date" + " : " + issueDate);
    System.out.println("Expiry Date" + " : " + expiryDate);
}

```

```
public void printDetails() {  
  
    System.out.println("NIC number : " + " " + this.cnic);  
    System.out.println("Name : " + " " + this.name);  
    System.out.println("Father Name : " + " " + this.fatherName);  
    System.out.println("Gender : " + " " + this.gender);  
    System.out.println("Date of birth is : " + "" + this.dateOfBirth);  
    getValidityDates();  
}  
  
}
```

```
package citizen;

public class Address {

    private int houseNumber;
    private String street;
    private String city;
    private String province;

    public Address(int houseNumber, String street, String city, String
province) {
        setAddress(houseNumber,street,city,province);
    }
    private void setAddress(int houseNumber, String street, String city,
String province) {
        this.houseNumber = houseNumber;
        this.street = street;
        this.city = city;
        this.province = province;
    }
    public void getAddress(String location) {
        System.out.println(location + " " + "address is" + " " +
houseNumber + " " + street + " " + city + " " + province);
    }
}
```