**KAWAH EDUKASI**

**BACKEND BATCH VI**

Tugas : Test Minggu Ke-5 (OOP)

Nama : Isep Lutpi Nur

Email : [iseplutpinur7@gmail.com](mailto:iseplutpinur7@gmail.com)

1. **Bikin sebuah class User yang memilik attribute:**

 - username  
 - password

*User.java*

public class User{  
 public String username;  
 public String password;  
}

1. **Buatlah constructor full attribute untuk class User**

*User.java*

public class User{  
 public String username;  
 public String password;  
  
 public User(String username, String password) {  
 this.username = username;  
 this.password = password;  
 }  
}

1. **Lakukan inheritance class User pada class Account yang dimana class Account memiliki attribute tambahan:**

- fullName  
- email  
- phoneNumber  
- dob  
- pob

*Account.java*

import java.util.Date;  
  
public class Account {  
 public String fullName;  
 public String email;  
 public String phoneNumber;  
 public Date dob;  
 public String pob;

}

1. **Implementasikan getter and setter pada attribute Account**

*Account.java*

import java.util.Date;  
  
public class Account {  
 public String fullName;  
 public String email;  
 public String phoneNumber;  
 public Date dob;  
 public String pob;   
  
 public String getFullName() {  
 return fullName;  
 }  
  
 public void setFullName(String fullName) {  
 this.fullName = fullName;  
 }  
  
 public String getEmail() {  
 return email;  
 }  
  
 public void setEmail(String email) {  
 this.email = email;  
 }  
  
 public String getPhoneNumber() {  
 return phoneNumber;  
 }  
  
 public void setPhoneNumber(String phoneNumber) {  
 this.phoneNumber = phoneNumber;  
 }  
  
 public Date getDob() {  
 return dob;  
 }  
  
 public void setDob(Date dob) {  
 this.dob = dob;  
 }  
  
 public String getPob() {  
 return pob;  
 }  
  
 public void setPob(String pob) {  
 this.pob = pob;  
 }  
}

1. **Implementasikan contructror empty attribute  dan full atribute untuk class Account**

*Account.java*

import java.util.Date;  
  
public class Account {  
 public String fullName;  
 public String email;  
 public String phoneNumber;  
 public Date dob;  
 public String pob;   
  
 // full constructor  
 public Account(String fullName, String email, String phoneNumber, Date dob, String pob, Address address) {  
 this.fullName = fullName;  
 this.email = email;  
 this.phoneNumber = phoneNumber;  
 this.dob = dob;  
 this.pob = pob;   
 }  
  
 // empty constructor  
 public Account() {  
 }  
  
 public String getFullName() {  
 return fullName;  
 }  
  
 public void setFullName(String fullName) {  
 this.fullName = fullName;  
 }  
  
 public String getEmail() {  
 return email;  
 }  
  
 public void setEmail(String email) {  
 this.email = email;  
 }  
  
 public String getPhoneNumber() {  
 return phoneNumber;  
 }  
  
 public void setPhoneNumber(String phoneNumber) {  
 this.phoneNumber = phoneNumber;  
 }  
  
 public Date getDob() {  
 return dob;  
 }  
  
 public void setDob(Date dob) {  
 this.dob = dob;  
 }  
  
 public String getPob() {  
 return pob;  
 }  
  
 public void setPob(String pob) {  
 this.pob = pob;  
 }  
}

1. **Buatlah class Address yang memiliki attribute :**- street  
   - district  
   - city  
   - province

*Address.java*

public class Address {  
 private String street;  
 private String district;  
 private String city;

}

1. **Buatlah composition class Address pada class Account**

*Account.java*

import java.util.Date;  
  
public class Account {  
 public String fullName;  
 public String email;  
 public String phoneNumber;  
 public Date dob;  
 public String pob;  
 public Address address;  
  
 // full constructor  
 public Account(String fullName, String email, String phoneNumber, Date dob, String pob, Address address) {  
 this.fullName = fullName;  
 this.email = email;  
 this.phoneNumber = phoneNumber;  
 this.dob = dob;  
 this.pob = pob;  
 this.address = address;  
 }  
  
 // empty constructor  
 public Account() {  
 }  
  
 public String getFullName() {  
 return fullName;  
 }  
  
 public void setFullName(String fullName) {  
 this.fullName = fullName;  
 }  
  
 public String getEmail() {  
 return email;  
 }  
  
 public void setEmail(String email) {  
 this.email = email;  
 }  
  
 public String getPhoneNumber() {  
 return phoneNumber;  
 }  
  
 public void setPhoneNumber(String phoneNumber) {  
 this.phoneNumber = phoneNumber;  
 }  
  
 public Date getDob() {  
 return dob;  
 }  
  
 public void setDob(Date dob) {  
 this.dob = dob;  
 }  
  
 public String getPob() {  
 return pob;  
 }  
  
 public void setPob(String pob) {  
 this.pob = pob;  
 }  
  
 public Address getAddress() {  
 return address;  
 }  
  
 public void setAddress(Address address) {  
 this.address = address;  
 }  
}