

KAWAH EDUKASI BACKEND BATCH VI

Tugas : Test Minggu Ke-5 (OOP)

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1. Bikin sebuah class User yang memiliki attribute:

- username
- password

User.java

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

2. 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;  
    }  
}
```

3. 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;  
}
```

4. 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;
    }
}

```

5. Implementasikan constructor empty attribute dan full attribute 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;
}
}

```

6. Buatlah class Address yang memiliki attribute :

- street
- district
- city
- province

Address.java

```

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

```

7. 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;  
}  
}
```