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Tugas membuat class yag berisi Encapsulation, Overloading dan Method

```
package Tugas3;
class BankAccount {
    private String accountHolder;
    private double balance;
    // Constructor
    public BankAccount(String accountHolder, double balance) {
        this.accountHolder = accountHolder;
        this.balance = balance;
    // Getter untuk mengambil nama pemilik akun
    public String getAccountHolder() {
        return accountHolder;
    // Getter untuk mengambil saldo
    public double getBalance() {
        return balance;
    public void deposit(double amount) {
        if (amount > 0) {
           balance += amount;
            System.out.println("Deposit successful! New balance: " + balance);
            System.out.println("Invalid deposit amount!");
    // Method Overloading: Withdraw tanpa fee
    public void withdraw(double amount) {
            System.out.println("Insufficient funds!");
```

```
System.out.println("Withdrawal successful! New balance: " +
balance);
    // Method Overloading: Withdraw dengan fee
    public void withdraw(double amount, double fee) {
        double totalAmount = amount + fee;
        if (totalAmount > balance) {
            System.out.println("Insufficient funds!");
            balance -= totalAmount;
            System.out.println("Withdrawal successful! New balance: " +
balance);
// Class Main untuk menjalankan program
public class Main {
    public static void main(String[] args) {
        BankAccount account = new BankAccount("Aqim", 1000);
        // Menampilkan informasi akun
        System.out.println("Account Holder: " + account.getAccountHolder());
        System.out.println("Initial Balance: " + account.getBalance());
        account.deposit(500);
        // Melakukan withdraw sebesar 300 tanpa fee
        account.withdraw(300);
        // Melakukan withdraw sebesar 300 dengan fee 50
        account.withdraw(300, 50);
```

```
PS C:\TUGAS\PBO\OOP JAVA> javac Tugas3/*.java
>>>
PS C:\TUGAS\PBO\OOP JAVA> java Tugas3.Main
>>>
Account Holder: Aqim
Initial Balance: 1000.0
Deposit successful! New balance: 1500.0
Withdrawal successful! New balance: 1200.0
Withdrawal successful! New balance: 850.0
PS C:\TUGAS\PBO\OOP JAVA>
```