PaymentMethod

```java
package pert7;

public interface PaymentMethod {

    // Memproses pembayaran
    String processPayment();

    // Mengembalikan detail informasi pembayaran
    String getPaymentDetails();

    // Mengembalikan biaya transaksi
    double getTransactionFee();

    // Mengembalikan saldo pengguna
    double getBalance();
}
```

EWalletPayment

```java
package pert7;

public class EWalletPayment implements PaymentMethod {

    private String namaLayanan;
    private double saldo;
    private double nominalTransaksi;

    // Biaya transaksi (tetap)
    private final double transactionFee = 2000;

    // Constructor
    public EWalletPayment(String namaLayanan, double saldo, double nominalTransaksi) {
```

```java
        this.namaLayanan = namaLayanan;
        this.saldo = saldo;
        this.nominalTransaksi = nominalTransaksi;
    }

    @Override
    public String processPayment() {
        double totalPembayaran = nominalTransaksi + transactionFee;

        System.out.println("Memproses pembayaran sebesar " + nominalTransaksi + "...");

        if (saldo >= totalPembayaran) {
            saldo -= totalPembayaran;
            System.out.println("Pembayaran berhasil!");
            return "Pembayaran berhasil!";
        } else {
            System.out.println("Pembayaran gagal! Saldo tidak cukup.");
            return "Pembayaran gagal! Saldo tidak cukup.";
        }
    }

    @Override
    public String getPaymentDetails() {
        return "Pembayaran dilakukan melalui " + namaLayanan;
    }

    @Override
    public double getTransactionFee() {
        return transactionFee;
    }

    @Override
    public double getBalance() {
        return saldo;
```

```java
    }

    // Tambahan: method untuk menampilkan info lengkap (supaya output rapi)
    public void displayPaymentInfo() {
        System.out.println("Saldo saat ini: " + saldo);
        System.out.println("Nominal pembayaran: " + nominalTransaksi);
        System.out.println("Biaya transaksi: " + transactionFee);
        System.out.println("Detail transaksi: " + getPaymentDetails());
    }
}
```

Payment

```java
package pert7;

public class PaymentTest {

    public static void main(String[] args) {


        System.out.println("=== PROGRAM SISTEM PEMBAYARAN (E-WALLET) ===");

        // Data sesuai contoh soal
        EWalletPayment payment = new EWalletPayment("OVO", 150000, 50000);

        // Saldo awal
        System.out.println("Saldo awal: " + payment.getBalance());

        // Memproses pembayaran
        payment.processPayment();

        // Sisa saldo
        System.out.println("Sisa saldo: " + payment.getBalance());

        // Detail transaksi
```

```java
        System.out.println("Detail Transaksi: " + payment.getPaymentDetails());

    }


}
```

Output :

```
"C:\Program Files\Java\jdk1.8.0_111\bin\java.exe" ...
=== PROGRAM SISTEM PEMBAYARAN (E-WALLET) ===
Saldo awal: 150000.0
Memproses pembayaran sebesar 50000.0...
Pembayaran berhasil!
Sisa saldo: 98000.0
Detail Transaksi: Pembayaran dilakukan melalui OVO
```