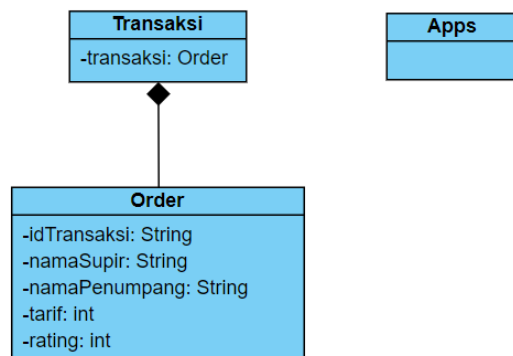


11S20018

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1. Kelas Diagram



2. Implementasi Code

a) Order

```
package ojek;

import java.util.Scanner;

/**
 *
 * @author 11S20018
 */
public class Order {

    String idTransaksi, namaSupir, namaPenumpang;
    int tarif, rating, newRating;
    Order next;

    public Order(String idTransaksi, String namaSupir, String namaPenumpang, int tarif, int rating) {
        this.idTransaksi = idTransaksi;
        this.namaSupir = namaSupir;
        this.namaPenumpang = namaPenumpang;
        this.tarif = tarif;
        this.rating = rating;
    }

    //getter
    public String getIdTransaksi() {
        return idTransaksi;
    }

    public String getNamaSupir() {
        return namaSupir;
    }

    public String getNamaPenumpang() {
        return namaPenumpang;
    }

    public int getTarif() {
        return tarif;
    }
}
```

```

    public int getRating() {
        return rating;
    }

    public int getNewRating(){
        return newRating;
    }

    //setter
    public void setIdTransaksi(String idTransaksi) {
        this.idTransaksi = idTransaksi;
    }

    public void setNameSupir(String namaSupir) {
        this.namaSupir = namaSupir;
    }

    public void setNamePenumpang(String namaPenumpang) {
        this.namaPenumpang = namaPenumpang;
    }

    public void setTarif(int tarif) {
        this.tarif = tarif;
    }

    public void setRating(int rating) {
        this.rating = rating;
    }

    public void setNewRating(int newRating) {
        this.newRating = newRating;
    }

    public void pesanan() {
        System.out.println("Antar sekarang: ");
        System.out.println("Id Transaksi: " + idTransaksi + " " + "Driver: " + namaSupir + " " + "Customer: " + namaPenumpang + " " + "Tarif: " + tarif + " " + "Rating: " + rating);
    }

    public void selesai() {
        System.out.println("Yeayy, Terima Kasih atas Rating yang diberikan");
        System.out.println("Id Transaksi: " + idTransaksi + " " + "Driver: " + namaSupir + " " + "Customer: " + namaPenumpang + " " + "Tarif: " + tarif + " " + "Rating: " + newRating);
    }
}

```

b) Transaksi

```

package ojek;

/**
 *
 * @author 11s20018
 */
public class Transaksi {
    Order transaksi;

    public Transaksi() {
        transaksi = null;
    }

    public boolean isEmpty() {
        return (transaksi == null);
    }

    public void addFirst(String idTransaksi, String namaSupir, String namaPenumpang, int tarif, int rating) {
        Order order = new Order(idTransaksi, namaSupir, namaPenumpang, tarif, rating);
        order.next = transaksi;
        transaksi = order;
    }

    public void addLast(String idTransaksi, String namaSupir, String namaPenumpang, int tarif, int rating) {
        Order order, help;
        order = new Order(idTransaksi, namaSupir, namaPenumpang, tarif, rating);
        order.next = null;
        if (isEmpty()) {
            transaksi = order;
            transaksi.next = null;
        } else {
            help = transaksi;

```

```

        while (help.next != null) {
            help = help.next;
        }
        help.next = order;
    }

}

public void Pesanan() {
    Order current = transaksi;
    if (current == null) {
        System.out.println("Tidak ada yang perlu di antar");
    } else {
        while (current != null) {
            current.pesanan();
            current = current.next;
        }
    }
}

public void Selesai(){
    Order ready = transaksi;
    while (ready != null) {
        ready.selesai();
        ready = ready.next;
    }
}

public Order deleteFirst() {
    if (!isEmpty()) {
        Order temp = transaksi;
        transaksi = transaksi.next;
        return temp;
    } else {
        return null;
    }
}

public Order deleteLast() {
    if (!isEmpty()) {
        Order temp;
        Order current;
        current = transaksi;
        while (current.next.next != null) {
            current = current.next;
        }
        temp = current.next;
        current.next = null;
        return temp;
    } else {
        Order tmp = transaksi;
        transaksi = null;
        return tmp;
    }
}
}

```

c) Apps

```
package ojek;

import java.util.Scanner;

/**
 *
 * @author l1s20018
 */
public class Apps {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        Transaksi orderan = new Transaksi();
        orderan.addFirst("BDG223", "Ujang", "Ayu", 15000, 0);
        orderan.addFirst("BDG546", "Jajang", "Siti", 10500, 0);
        orderan.addFirst("BDG987", "Ahmad", "Agus", 8000, 0);
        orderan.addFirst("BDG120", "Gusti", "Sulis", 23000, 0);
        orderan.Pesanan();

        System.out.println("Pengantaran selesai");
        int newRating;
        System.out.print("Berikan rating untuk Driver(0-5): ");
        newRating = sc.nextInt();
        orderan.Selesai();

        /*
        System.out.println("Cari Id: BDG223");
        if (orderan.contains("BDG223")) {
            System.out.println("Pengantaran selesai");
            int newRating;
            System.out.print("Berikan rating untuk Driver: ");
            newRating = sc.nextInt();
            orderan.Selesai();
        } else {
            System.out.println("ID tidak ditemukan");
        }
        */
    }
}
```

Output:

```
run:
Antar sekarang:
Id Transaksi: BDG120 Driver: Gusti Customer: Sulis Tarif: 23000 Rating: 0
Antar sekarang:
Id Transaksi: BDG987 Driver: Ahmad Customer: Agus Tarif: 8000 Rating: 0
Antar sekarang:
Id Transaksi: BDG546 Driver: Jajang Customer: Siti Tarif: 10500 Rating: 0
Antar sekarang:
Id Transaksi: BDG223 Driver: Ujang Customer: Ayu Tarif: 15000 Rating: 0
Pengantaran selesai
Berikan rating untuk Driver(0-5): 5
Yeayy, Terima Kasih atas Rating yang diberikan
```