

Remidial Quiz 1

Mata Kuliah : Praktikum Pemrograman Berbasis Objek



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PROGRAM STUDI – D4 TEKNIK INFORMATIKA

JURUSAN – TEKNOLOGI INFORMASI

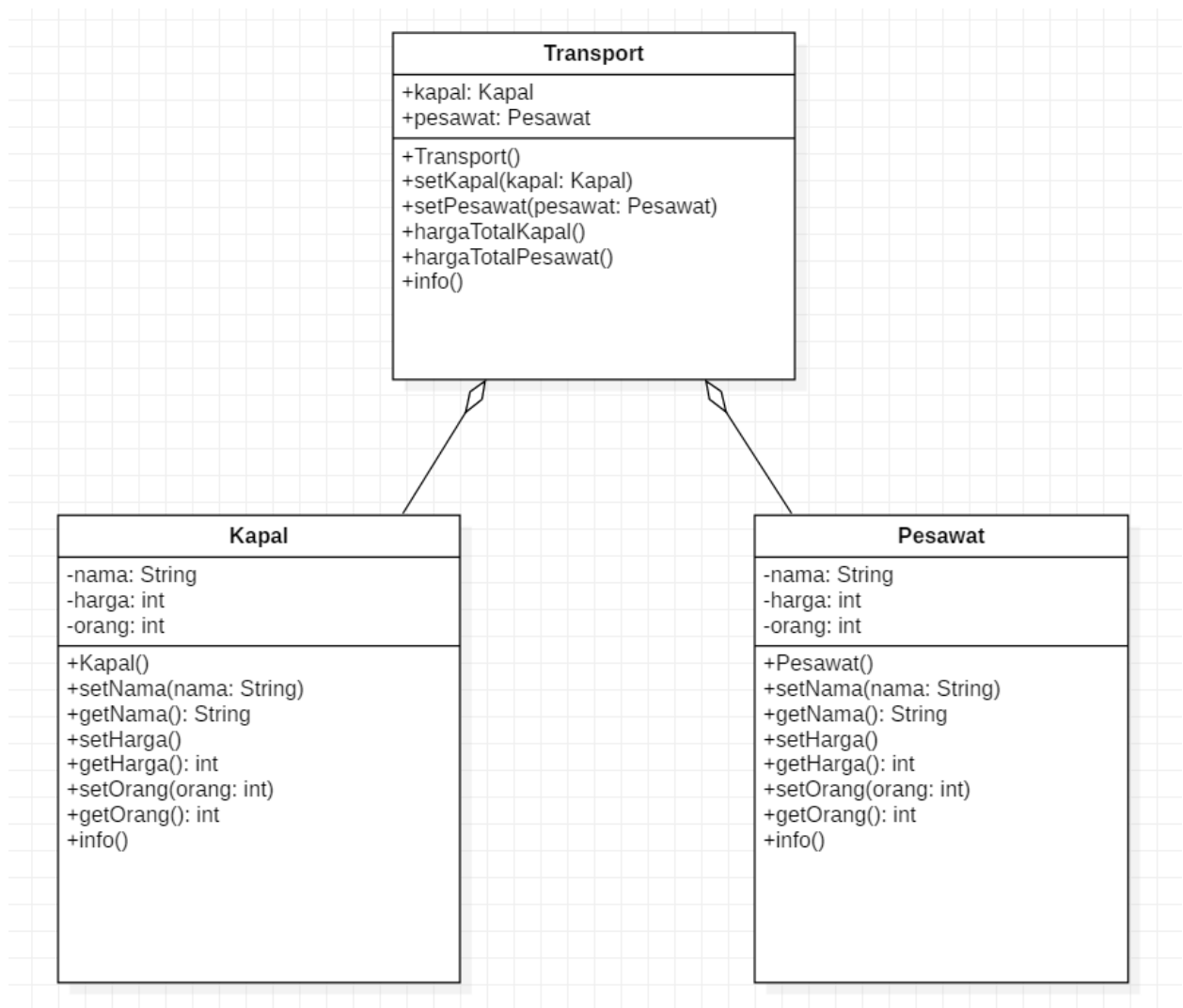
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Tugas Remedial

1. Membuat studi kasus berkaitan dengan materi relasi kelas
2. Membuat diagram class sesuai dengan relasi kelas yang dibuat

Diagram Class



Source Code Remidial

Class Main.java

```
package id.dzik.remidial;

import java.util.Scanner;

public class Main {

    public static void main(String[] args) {

        Scanner x = new Scanner(System.in);
        Scanner y = new Scanner(System.in);
        Kapal kp = new Kapal();

        System.out.println("=== TRANSPORTASI LAUT ===");
        System.out.println("1. KM Senopati");
        System.out.println("2. KM Arjuna");
        System.out.println("3. KM Basudewa");

        System.out.print("\nPilih Armada Laut : ");
        int pilkp = x.nextInt();
        if (pilkp == 1) {
            kp.setNama("KM Senopati");
        } else if (pilkp == 2) {
            kp.setNama("KM Arjuna");
        } else {
            kp.setNama("KM Basudewa");
        }

        System.out.print("Input kuota jumlah penumpang Kapal : ");
        int pdk = x.nextInt();
        kp.setOrang(pdk);
    }
}
```

```

        System.out.println("");
        //////////////////////////////////
        Pesawat ps = new Pesawat();
        System.out.println("=== TRANSPORTASI UDARA ===");
        System.out.println("1. Air Asia");
        System.out.println("2. Batik Air");
        System.out.println("3. Garuda Indonesia");
        System.out.println("4. Lion Air");

        System.out.print("\nPilih Armada Penerbangan : ");
        int pilps = x.nextInt();
        if (pilps == 1) {
            ps.setNama("Air Asia");
        } else if (pilps == 2) {
            ps.setNama("Batik Air");
        } else if (pilps == 3) {
            ps.setNama("Garuda Indonesia");
        } else {
            ps.setNama("Lion Air");
        }

        System.out.print("Input kuota jumlah penumpang Pesawat : ");
        int pdp = x.nextInt();
        ps.setOrang(pdp);
        //////////////////////////////////
        Transport t = new Transport();
        t.setKapal(kp);
        t.setPesawat(ps);
        t.info();
    }
}

```

Class Kapal.java

```
package id.dzik.remidial;

public class Kapal {
    private String nama;
    private int harga;
    private int orang;

    public Kapal() {
    }

    public String getNama() {
        return nama;
    }

    public void setNama(String nama) {
        this.nama = nama;
        setHarga();
    }

    public int getHarga() {
        return harga;
    }

    public void setHarga() {
        if (this.nama.equalsIgnoreCase("KM Senopati")) {
            this.harga = 150000;
        } else if (this.nama.equalsIgnoreCase("KM Arjuna")) {
            this.harga = 100000;
        } else if (this.nama.equalsIgnoreCase("KM Basudewa")) {
            this.harga = 50000;
        } else {
            System.out.println("Menu not found");
        }
    }
}
```

```

        }
    }

    public int getOrang() {
        return orang;
    }

    public void setOrang(int orang) {
        this.orang = orang;
    }

    public String info(){
        String info = "";
        info += "Memilih Armada "+getNama()+"\n";
        info += "Kuota Kapal\t\t: "+getOrang()+"\n";
        info += "Harga Tiket\t\t: "+getHarga()+"/orang\n";
        return info;
    }
}

```

Class Pesawat.java

```
package id.dzik.remidial;

public class Pesawat {
    private String nama;
    private int harga;
    private int orang;

    public Pesawat() {
    }

    public String getNama() {
        return nama;
    }

    public void setNama(String nama) {
        this.nama = nama;
        setHarga();
    }

    public int getHarga() {
        return harga;
    }

    public void setHarga() {
        if (this.nama.equalsIgnoreCase("Air Asia")) {
            this.harga = 1200000;
        } else if (this.nama.equalsIgnoreCase("Batik Air")) {
            this.harga = 500000;
        } else if (this.nama.equalsIgnoreCase("Garuda Indonesia")) {
            this.harga = 1000000;
        } else if (this.nama.equalsIgnoreCase("Lion Air")) {
            this.harga = 250000;
        }
    }
}
```

```
        }else{
            System.out.println("Menu not found");
        }
    }

    public int getOrang() {
        return orang;
    }

    public void setOrang(int orang) {
        this.orang = orang;
    }

    public String info(){
        String info = "";
        info += "Memilih Armada "+getNama()+"\n";
        info += "Kuota Pesawat\t\t: "+getOrang()+"\n";
        info += "Harga Tiket\t\t: "+getHarga()+"/orang\n";
        return info;
    }
}
```


Class Transport.java

```
package id.dzik.remidial;

public class Transport {
    private Kapal kapal;
    private Pesawat pesawat;

    public Transport() {
    }

    public void setKapal(Kapal kapal) {
        this.kapal = kapal;
    }

    public void setPesawat(Pesawat pesawat) {
        this.pesawat = pesawat;
    }

    public int hargaTotalKapal(){
        int total = this.kapal.getHarga() * this.kapal.getOrang();
        return total;
    }

    public int hargaTotalPesawat(){
        int total = this.pesawat.getHarga() * this.pesawat.getOrang();
        return total;
    }

    public void info(){
        String info = "";

        System.out.println("=====");

        System.out.println("Transportasi Kapal\t:
"+this.kapal.info());
```

```
        System.out.println("Transportasi Pesawat\t:
"+this.pesawat.info());

        System.out.println("-----
-----");

        System.out.println("Total keuntungan Armada Kapal\t:
"+hargaTotalKapal());

        System.out.println("Total keuntungan Armada Pesawat\t:
"+hargaTotalPesawat());

        System.out.println("-----
-----");

    }

}
```