

NAMA : ADITYA RAFIQI PANGESTU

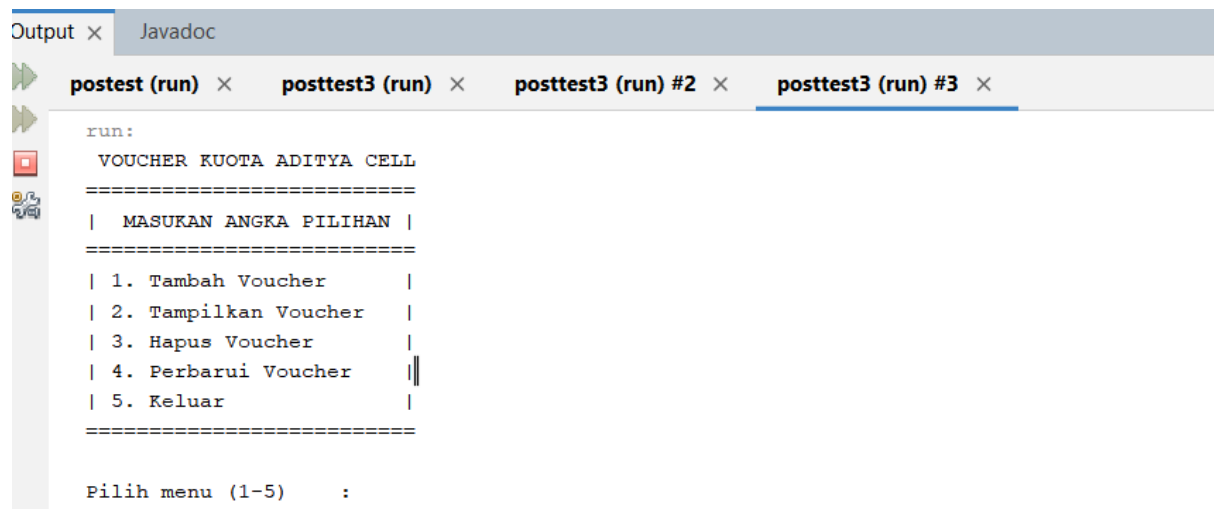
NIM : 2109106110

KELAS : B2'21 INFORMATIKA

PRAKTIKUM : PEMROGRAMAN BERORIENTASI OBJEK

SCREEN SHOOT PROGRAM :

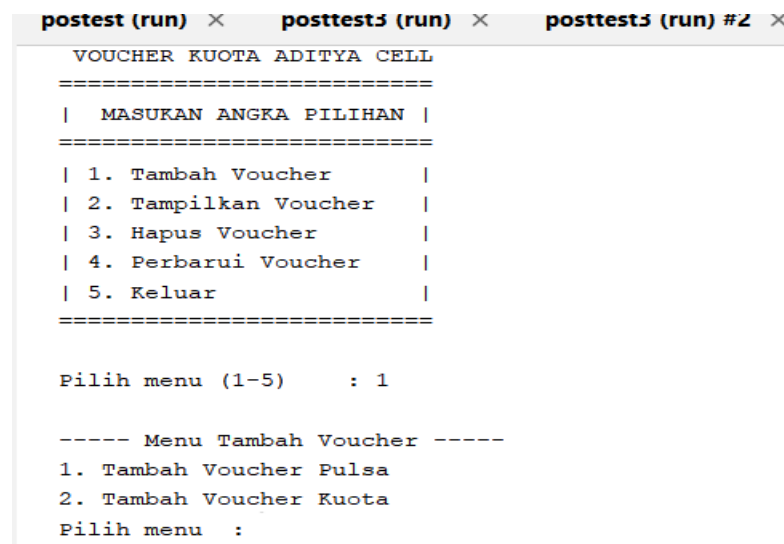
1.MENU TAMPILAN AWAL



```
run:
VOUCHER KUOTA ADITYA CELL
=====
|  MASUKAN ANGKA PILIHAN  |
=====
| 1. Tambah Voucher      |
| 2. Tampilkan Voucher   |
| 3. Hapus Voucher       |
| 4. Perbarui Voucher    |
| 5. Keluar              |
=====

Pilih menu (1-5)      :
```

2. MENU TAMBAH VOUCHER



```
posttest (run) × posttest3 (run) × posttest3 (run) #2 ×
VOUCHER KUOTA ADITYA CELL
=====
|  MASUKAN ANGKA PILIHAN  |
=====
| 1. Tambah Voucher      |
| 2. Tampilkan Voucher   |
| 3. Hapus Voucher       |
| 4. Perbarui Voucher    |
| 5. Keluar              |
=====

Pilih menu (1-5)      : 1

----- Menu Tambah Voucher -----
1. Tambah Voucher Pulsa
2. Tambah Voucher Kuota
Pilih menu      :
```

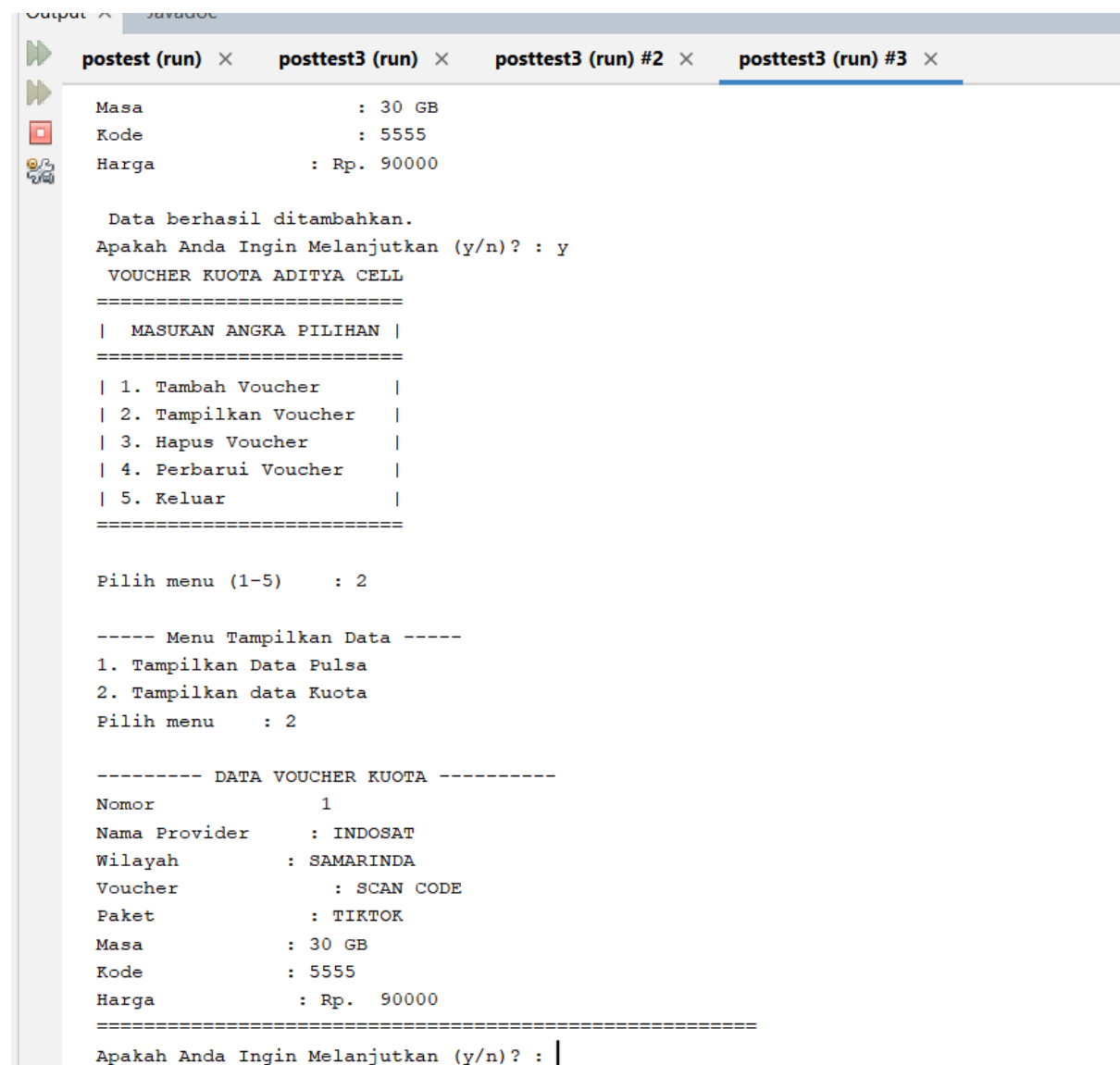
3. MENAMBAH VOUCHER PULSA

```
Pilih menu (1-5)      : 1

----- Menu Tambah Voucher -----
1. Tambah Voucher Pulsa
2. Tambah Voucher Kuota
Pilih menu : 1
Nama Provider Pulsa   : TELKOMSEL
Nomor Telpon          : 0895885
Voucher               : GESEK
Paket                 : GAMING
Masa                  : -
Kode                  : 5555
Harga                 : Rp. 500000

Data berhasil ditambahkan.
Apakah Anda Ingin Melanjutkan (y/n)? :
```

4.MENAMBAH DATA KUOTA DAN MENAMPILKAN



```
posttest (run) ×  posttest3 (run) ×  posttest3 (run) #2 ×  posttest3 (run) #3 ×
Masa              : 30 GB
Kode              : 5555
Harga             : Rp. 90000

Data berhasil ditambahkan.
Apakah Anda Ingin Melanjutkan (y/n)? : y
VOUCHER KUOTA ADITYA CELL
=====
|  MASUKAN ANGKA PILIHAN  |
=====
| 1. Tambah Voucher      |
| 2. Tampilkan Voucher    |
| 3. Hapus Voucher       |
| 4. Perbarui Voucher    |
| 5. Keluar              |
=====

Pilih menu (1-5)      : 2

----- Menu Tampilkan Data -----
1. Tampilkan Data Pulsa
2. Tampilkan data Kuota
Pilih menu : 2

----- DATA VOUCHER KUOTA -----
Nomor              1
Nama Provider      : INDOSAT
Wilayah            : SAMARINDA
Voucher            : SCAN CODE
Paket              : TIKTOK
Masa               : 30 GB
Kode               : 5555
Harga              : Rp. 90000
=====
Apakah Anda Ingin Melanjutkan (y/n)? :
```

SOURCE CODE :

1. MAIN.JAVA

```
package posttest3;

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.ArrayList;

public class main {
    private static ArrayList <Pulsa> dataPulsa = new ArrayList <>();
    private static ArrayList <Kuota> dataKuota = new ArrayList <>();
    private static BufferedReader input = new BufferedReader(new
InputStreamReader(System.in));

    public static void main(String[] args) throws IOException {
        boolean lanjutkan = true;

        while (lanjutkan) {
            System.out.println(" VOUCHER KUOTA ADITYA CELL");
            System.out.println("=====");
            System.out.println("| MASUKAN ANGKA PILIHAN |");
            System.out.println("=====");
            System.out.println("| 1. Tambah Voucher    |");
            System.out.println("| 2. Tampilkan Voucher |");
            System.out.println("| 3. Hapus Voucher     |");
            System.out.println("| 4. Perbarui Voucher  |");
            System.out.println("| 5. Keluar            |");
            System.out.println("=====");

            System.out.print("\nPilih menu (1-5)  : ");
            String pilihan = input.readLine();

            switch (pilihan) {
                case "1":
                    System.out.println("\n----- Menu Tambah Voucher -----");
                    System.out.println("1. Tambah Voucher Pulsa ");
                    System.out.println("2. Tambah Voucher Kuota ");
                    System.out.print("Pilih menu : ");
                    int pilihTambah = Integer.parseInt(input.readLine());
                    switch (pilihTambah) {
                        case 1 :
                            tambahPulsa();
                            break;
                        case 2 :
                            tambahKuota();
```

```

        break;
    }
    break;
case "2":
    System.out.println("\n----- Menu Tampilkan Data -----");
    System.out.println("1. Tampilkan Data Pulsa ");
    System.out.println("2. Tampilkan data Kuota ");
    System.out.print("Pilih menu  : ");
    int pilihTampil = Integer.parseInt(input.readLine());
    switch (pilihTampil) {
        case 1:
            tampilkanPulsa();
            break;
        case 2:
            tampilkanKuota();
            break;
    }
    break;
case "3":
    System.out.println("\n----- Menu Hapus Data -----");
    System.out.println("1. Hapus Data Pulsa ");
    System.out.println("2. Hapus data Kuota ");
    System.out.print("Pilih Menu  : ");
    int pilihHapus = Integer.parseInt(input.readLine());
    switch (pilihHapus) {
        case 1:
            hapusPulsa();
            break;
        case 2:
            hapusKuota();
            break;
    }
    break;
case "4":
    System.out.println("\n----- Menu Perbarui Data -----");
    System.out.println("1. Perbarui Data Pulsa ");
    System.out.println("2. Perbarui data Kuota ");
    System.out.print("Pilih menu  : ");
    int pilihUbah = Integer.parseInt(input.readLine());
    switch (pilihUbah) {
        case 1:
            ubahPulsa();
            break;
        case 2:
            ubahKuota();
            break;
    }

```

```

        }
        break;
    case "5":
        System.exit(0);
    default:
        System.err.println("Pilihan tidak tersedia \nSilahkan Input angka 1-
5 ");
    }
    System.out.print("Apakah Anda Ingin Melanjutkan (y/n)? : ");
    pilihan = input.readLine();
    lanjutkan = pilihan.equalsIgnoreCase("y");
}
}

```

```

//----- TAMBAH DATA -----
private static void tambahPulsa() throws IOException {
    System.out.print("Nama Provider Pulsa : ");
    String provider = input.readLine();

    System.out.print("Nomor Telpon      : ");
    int notujuan = Integer.parseInt(input.readLine());

    System.out.print("Voucher          : ");
    String voucher = input.readLine();

    System.out.print("Paket            : ");
    String paket = input.readLine();

    System.out.print("Masa             : ");
    String masa = input.readLine();

    System.out.print("Kode             : ");
    int kode = Integer.parseInt(input.readLine());

    System.out.print("Harga            : Rp. ");
    int harga = Integer.parseInt(input.readLine());

    Pulsa isi = new Pulsa (provider, notujuan, voucher, paket, masa, kode,
harga);
    dataPulsa.add(isi);

    System.out.println("\n Data berhasil ditambahkan.");
}

```

```
}
```

```
private static void tambahKuota() throws IOException {
    System.out.print("Nama provider      : ");
    String provider = input.readLine();

    System.out.print("Nama Wilayah      : ");
    String wilayah = input.readLine();

    System.out.print("Voucher          : ");
    String voucher = input.readLine();

    System.out.print("Paket            : ");
    String paket = input.readLine();

    System.out.print("Masa             : ");
    String masa = input.readLine();

    System.out.print("Kode             : ");
    int kode = Integer.parseInt(input.readLine());

    System.out.print("Harga            : Rp. ");
    int harga = Integer.parseInt(input.readLine());

    Kuota Voucher = new Kuota( provider, wilayah, voucher, paket, masa,
kode, harga);
    dataKuota.add(Voucher);

    System.out.println("\n Data berhasil ditambahkan.");
}
```

```
//----- MENAMPILKAN DATA -----
private static void tampilkanPulsa() {
    System.out.println("\n===== DATA VOUCHER PULSA
=====");

    if (dataPulsa.size() == 0) {
        System.out.println("Data Pulsa Kosong");
    } else {
        for (int i = 0; i < dataPulsa.size(); i += 1) {
```

```

        System.out.println("Nomor          " + (i + 1));
        System.out.println("Nama Provider    : " +
dataPulsa.get(i).getProvider());
        System.out.println("Voucher          : " +
dataPulsa.get(i).getVoucher());
        System.out.println("Paket           : " + dataPulsa.get(i).getPaket());
        System.out.println("Masa            : " + dataPulsa.get(i).getMasa());
        System.out.println("Kode            : " + dataPulsa.get(i).getKode());
        System.out.println("Harga           : Rp. " +
dataPulsa.get(i).getHarga());
        System.out.println("Wilayah        : " + dataKuota.get(i).getWilayah());

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

```

```

private static void tampilkanKuota() {
    System.out.println("\n----- DATA VOUCHER KUOTA -----");

    if (dataKuota.size() == 0) {
        System.out.println("Data Kuota Kosong");
    } else {
        for (int i = 0; i < dataKuota.size(); i += 1) {
            System.out.println("Nomor          " + (i + 1));
            System.out.println("Nama Provider    : " +
dataKuota.get(i).getProvider());
            System.out.println("Wilayah          : " + dataKuota.get(i).getWilayah());
            System.out.println("Voucher          : " +
dataKuota.get(i).getVoucher());
            System.out.println("Paket           : " + dataKuota.get(i).getPaket());
            System.out.println("Masa            : " + dataKuota.get(i).getMasa());
            System.out.println("Kode            : " + dataKuota.get(i).getKode());
            System.out.println("Harga           : Rp. " +
dataKuota.get(i).getHarga());

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

```

//----- UPDATE DATA -----

```
private static void ubahPulsa() throws IOException {  
    tampilkanPulsa();  
  
    if (dataPulsa.size() == 0) {  
        return;  
    }  
  
    System.out.print("\nPilih nomor data yang akan diubah: ");  
    int nomor = Integer.parseInt(input.readLine());  
  
    if (nomor < 1 || nomor > dataPulsa.size()) {  
        System.out.println("Nomor data tidak valid.");  
        return;  
    }  
  
    Pulsa isi = dataPulsa.get(nomor-1);  
  
    System.out.print("Nama Provider (" + isi.getProvider() + ") :");  
    String provider = input.readLine();  
  
    System.out.print("Nomor Tujuan (" + isi.getNotujuan() + ") :");  
    int notujuan = Integer.parseInt(input.readLine());  
  
    System.out.print("Voucher (" + isi.getVoucher() + ") :");  
    String voucher = input.readLine();  
  
    System.out.print("Paket (" + isi.getPaket() + ") :");  
    String paket = input.readLine();  
  
    System.out.print("Kode (" + isi.getKode() + ") :");  
    int kode = Integer.parseInt(input.readLine());  
  
    System.out.print("Masa (" + isi.getMasa() + ") :");  
    String masa = input.readLine();  
  
    System.out.print("Harga (" + isi.getHarga() + ") : Rp. ");  
    int harga = Integer.parseInt(input.readLine());  
  
    isi.setProvider(provider);  
    isi.setNotujuan(notujuan);
```



```

isi.setVoucher(voucher);
isi.setpaket(paket);
isi.setKode(kode);
isi.setMasa(masa);
isi.setHarga(harga);

System.out.println("\nData voucher berhasil diubah.");
}

```

```

private static void ubahKuota() throws IOException {
    tampilkanKuota();

    if (dataKuota.size() == 0) {
        return;
    }

    System.out.print("\nPilih nomor data yang akan diubah: ");
    int nomor = Integer.parseInt(input.readLine());

    if (nomor < 1 || nomor > dataKuota.size()) {
        System.out.println("Nomor data tidak valid.");
        return;
    }

    Kuota voucher = dataKuota.get(nomor-1);

    System.out.print("Nama Provider (" + voucher.getProvider() + ") :");
    String provider = input.readLine();

    System.out.print("Wilayah (" + voucher.getWilayah() + ") :");
    String wilayah = input.readLine();

    System.out.print("Voucher (" + voucher.getVoucher() + ") :");
    String Voucher = input.readLine();

    System.out.print("Paket (" + voucher.getPaket() + ") :");
    String paket = input.readLine();

    System.out.print("Kode (" + voucher.getKode() + ") :");
    int kode = Integer.parseInt(input.readLine());

    System.out.print("Masa (" + voucher.getMasa() + ") :");
    String masa = input.readLine();

```

```

        System.out.print("Harga (" + voucher.getHarga() + ")      : Rp. ");
        int harga = Integer.parseInt(input.readLine());

        voucher.setProvider(provider);
        voucher.setWilayah(wilayah);
        voucher.setVoucher(Voucher);
        voucher.setpaket(paket);
        voucher.setKode(kode);
        voucher.setMasa(masa);
        voucher.setHarga(harga);

        System.out.println("\nData voucher berhasil diubah.");
    }

```

```

//----- HAPUS DATA -----
private static void hapusPulsa() throws IOException {
    tampilkanPulsa();

    if (dataPulsa.size() == 0) {
        return;
    }

    System.out.print("\nPilih nomor data yang akan dihapus: ");
    int nomor = Integer.parseInt(input.readLine());

    if (nomor < 1 || nomor > dataPulsa.size()) {
        System.out.println("Nomor data tidak valid.");
        return;
    }

    Voucher barang = dataPulsa.get(nomor-1);
    dataPulsa.remove(barang);

    System.out.println("\nData berhasil dihapus.");
}

```

```

private static void hapusKuota() throws IOException {
    tampilkanKuota();

    if (dataKuota.size() == 0) {

```

```

        return;
    }

    System.out.print("\nPilih nomor data yang akan dihapus: ");
    int nomor = Integer.parseInt(input.readLine());

    if (nomor < 1 || nomor > dataKuota.size()) {
        System.out.println("Nomor data tidak valid.");
        return;
    }

    Voucher barang = dataKuota.get(nomor-1);
    dataKuota.remove(barang);

    System.out.println("\nData berhasil dihapus.");
}
}

```

2. VOUCHER.JAVA

```
package posttest3;
```

```

public class Voucher {
    private String voucher;
    private String paket;
    private String masa;
    private int kode;
    private int harga;

    public Voucher (String voucher, String paket, String masa, int kode, int harga) {
        this.voucher = voucher;
        this.paket = paket;
        this.masa = masa;
        this.kode = kode;
        this.harga = harga;
    }
}

```

//-----VOUCHER-----

```
public String getVoucher() {  
    return voucher;  
}
```

```
public void setVoucher(String voucher) {  
    this.voucher = voucher;  
}
```

//-----PAKET-----

```
public String getPaket() {  
    return paket;  
}
```

```
public void setpaket(String paket) {  
    this.paket = paket;  
}
```

//-----MASA-----

```
public String getMasa() {  
    return masa;  
}
```

```
public void setMasa(String Masa) {  
    this.masa = Masa;  
}
```

//-----KODE-----

```
public int getKode() {  
    return kode;  
}
```

```

    }

    public void setKode(int kode) {
        this.kode = kode;
    }

    //-----HARGA-----
    public int getHarga() {
        return harga;
    }

    public void setHarga(int harga) {
        this.harga = harga;
    }

    //-----DISPLAY-----
    public String toString () {
        return voucher + " | " + paket + " | " + masa + " | " + kode + " |Rp. " + harga;
    }
}

```

3. PULSA.JAVA

```

package posttest3;

public class Pulsa extends Voucher{
    protected String provider;
    protected int notujuan;

    public String getProvider() {

```

```

        return provider;
    }

    public int getNotujuan() {
        return notujuan;
    }

    public void setProvider(String provider) {
        this.provider = provider;
    }

    public void setNotujuan(int notujuan) {
        this.notujuan = notujuan;
    }

    public Pulsa(String provider, int notujuan, String voucher, String paket, String
masa, int kode, int harga) {
        super(voucher, paket, masa, kode, harga);
        this.provider = provider;
        this.notujuan = notujuan;
    }

}

```

4.KUOTA.JAVA

```

package posttest3;

public class Kuota extends Voucher{
    protected String provider;

```

```
protected String wilayah;
```

```
public String getProvider() {  
    return provider;  
}
```

```
public String getWilayah() {  
    return wilayah;  
}
```

```
public void setProvider(String provider) {  
    this.provider = provider;  
}
```

```
public void setWilayah(String wilayah) {  
    this.wilayah = wilayah;  
}
```

```
public Kuota(String provider, String wilayah, String voucher, String paket, String  
masa, int kode, int harga) {  
    super(voucher, paket, masa, kode, harga);  
    this.provider = provider;  
    this.wilayah = wilayah;  
}
```

```
}
```