

Nama : Nandi Mulyana

Nim : 221011401747

Kelas : 04TPLE006

Mata Kuliah : PEMROGRAMAN I

Jawaban UAS

Source Code

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ItemEvent;

public class FormPesananRestoranNandimulyan extends JFrame {
    private final JTextField nomorMejaField;
    private final JComboBox<String> paket1ComboBox;
    private final JComboBox<String> paket2ComboBox;
    private final JComboBox<String> paket3ComboBox;
    private final JTextField harga1Field;
    private final JTextField harga2Field;
    private final JTextField harga3Field;
    private final JTextField jumlahBeli1Field;
    private final JTextField jumlahBeli2Field;
    private final JTextField jumlahBeli3Field;
    private final JTextField bayar1Field;
    private final JTextField bayar2Field;
    private final JTextField bayar3Field;
    private final JTextField totalPesananField;
    private final JButton tombolBayar;

    public FormPesananRestoranNandimulyan() {
        setTitle("Form Pesanan Restoran - Nandi Mulyana Nim 221011401747");
```

```
setSize(600, 400);  
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```
JPanel panel = new JPanel();  
panel.setLayout(new GridBagLayout());  
GridBagConstraints gbc = new GridBagConstraints();  
gbc.fill = GridBagConstraints.HORIZONTAL;  
gbc.insets = new Insets(5, 5, 5, 5);
```

```
// Nomor meja  
gbc.gridx = 0;  
gbc.gridy = 0;  
panel.add(new JLabel("No. Meja"), gbc);
```

```
gbc.gridx = 1;  
gbc.gridy = 0;  
nomorMejaField = new JTextField(10);  
panel.add(nomorMejaField, gbc);
```

```
// Headers  
gbc.gridx = 0;  
gbc.gridy = 1;  
panel.add(new JLabel("Ket. Paket"), gbc);
```

```
gbc.gridx = 1;  
gbc.gridy = 1;  
panel.add(new JLabel("Harga"), gbc);
```

```
gbc.gridx = 2;  
gbc.gridy = 1;  
panel.add(new JLabel("Jml. Beli"), gbc);
```

```

gbc.gridx = 3;
gbc.gridy = 1;
panel.add(new JLabel("Bayar"), gbc);

// Baris 1
gbc.gridx = 0;
gbc.gridy = 2;
paket1ComboBox = new JComboBox<>(new String[] {"Nasi Putih", "Nasi goreng", "Nasi
capcay"});
panel.add(paket1ComboBox, gbc);

gbc.gridx = 1;
gbc.gridy = 2;
harga1Field = new JTextField(10);
panel.add(harga1Field, gbc);

gbc.gridx = 2;
gbc.gridy = 2;
jumlahBeli1Field = new JTextField(10);
panel.add(jumlahBeli1Field, gbc);

gbc.gridx = 3;
gbc.gridy = 2;
bayar1Field = new JTextField(10);
bayar1Field.setEditable(false);
panel.add(bayar1Field, gbc);

// Baris 2
gbc.gridx = 0;
gbc.gridy = 3;
paket2ComboBox = new JComboBox<>(new String[] {"Ayam Penyet", "ayam bakar", "ayam
goreng"});
panel.add(paket2ComboBox, gbc);

```

```
gbc.gridx = 1;
gbc.gridy = 3;
harga2Field = new JTextField(10);
panel.add(harga2Field, gbc);
```

```
gbc.gridx = 2;
gbc.gridy = 3;
jumlahBeli2Field = new JTextField(10);
panel.add(jumlahBeli2Field, gbc);
```

```
gbc.gridx = 3;
gbc.gridy = 3;
bayar2Field = new JTextField(10);
bayar2Field.setEditable(false);
panel.add(bayar2Field, gbc);
```

```
// Baris 3
gbc.gridx = 0;
gbc.gridy = 4;
paket3ComboBox = new JComboBox<>(new String[] {"aqua", "jus alpukat", "Jus jeruk"});
panel.add(paket3ComboBox, gbc);
```

```
gbc.gridx = 1;
gbc.gridy = 4;
harga3Field = new JTextField(10);
panel.add(harga3Field, gbc);
```

```
gbc.gridx = 2;
gbc.gridy = 4;
jumlahBeli3Field = new JTextField(10);
panel.add(jumlahBeli3Field, gbc);
```

```

gbc.gridx = 3;
gbc.gridy = 4;
bayar3Field = new JTextField(10);
bayar3Field.setEditable(false);
panel.add(bayar3Field, gbc);

// Total Pesanan
gbc.gridx = 0;
gbc.gridy = 5;
panel.add(new JLabel("Total Pesanan"), gbc);

gbc.gridx = 1;
gbc.gridy = 5;
totalPesananField = new JTextField(10);
totalPesananField.setEditable(false);
panel.add(totalPesananField, gbc);

// Tombol Bayar
gbc.gridx = 2;
gbc.gridy = 5;
gbc.gridwidth = 2;
tombolBayar = new JButton("Bayar");
panel.add(tombolBayar, gbc);

// Tambahkan panel ke frame
add(panel);

// Item listeners untuk paket combo boxes
paket1ComboBox.addItemListener((ItemEvent e) -> {
    updateHarga1();
});

```

```

paket2ComboBox.addItemListener((ItemEvent e) -> {
    updateHarga2();
});

paket3ComboBox.addItemListener((ItemEvent e) -> {
    updateHarga3();
});

// Action listener untuk tombol bayar
tombolBayar.addActionListener((ActionEvent e) -> {
    hitungTotalPesanan();
});

setVisible(true);
}

private void updateHarga1() {
    switch ((String) paket1ComboBox.getSelectedItem()) {
        case "Nasi Putih" -> harga1Field.setText("10000");
        case "Nasi Goreng" -> harga1Field.setText("15000");
        case "Mie Goreng" -> harga1Field.setText("12000");
    }
}

private void updateHarga2() {
    switch ((String) paket2ComboBox.getSelectedItem()) {
        case "Ayam Penyet" -> harga2Field.setText("20000");
        case "Sate Ayam" -> harga2Field.setText("18000");
        case "Soto Ayam" -> harga2Field.setText("17000");
    }
}

```

```

private void updateHarga3() {
    switch ((String) paket3ComboBox.getSelectedItemAt()) {
        case "Aqua" -> harga3Field.setText("3000");
        case "Teh Botol" -> harga3Field.setText("5000");
        case "Jus Jeruk" -> harga3Field.setText("8000");
    }
}

```

```

private void hitungTotalPesanan() {
    try {
        int harga1 = Integer.parseInt(harga1Field.getText());
        int harga2 = Integer.parseInt(harga2Field.getText());
        int harga3 = Integer.parseInt(harga3Field.getText());

        int jumlahBeli1 = Integer.parseInt(jumlahBeli1Field.getText());
        int jumlahBeli2 = Integer.parseInt(jumlahBeli2Field.getText());
        int jumlahBeli3 = Integer.parseInt(jumlahBeli3Field.getText());

        int bayar1 = harga1 * jumlahBeli1;
        int bayar2 = harga2 * jumlahBeli2;
        int bayar3 = harga3 * jumlahBeli3;

        bayar1Field.setText(String.valueOf(bayar1));
        bayar2Field.setText(String.valueOf(bayar2));
        bayar3Field.setText(String.valueOf(bayar3));

        int total = bayar1 + bayar2 + bayar3;
        totalPesananField.setText(String.valueOf(total));
    } catch (NumberFormatException ex) {
        JOptionPane.showMessageDialog(this, "Mohon masukkan angka yang valid.", "Error",
JOptionPane.ERROR_MESSAGE);
    }
}

```

```

    }

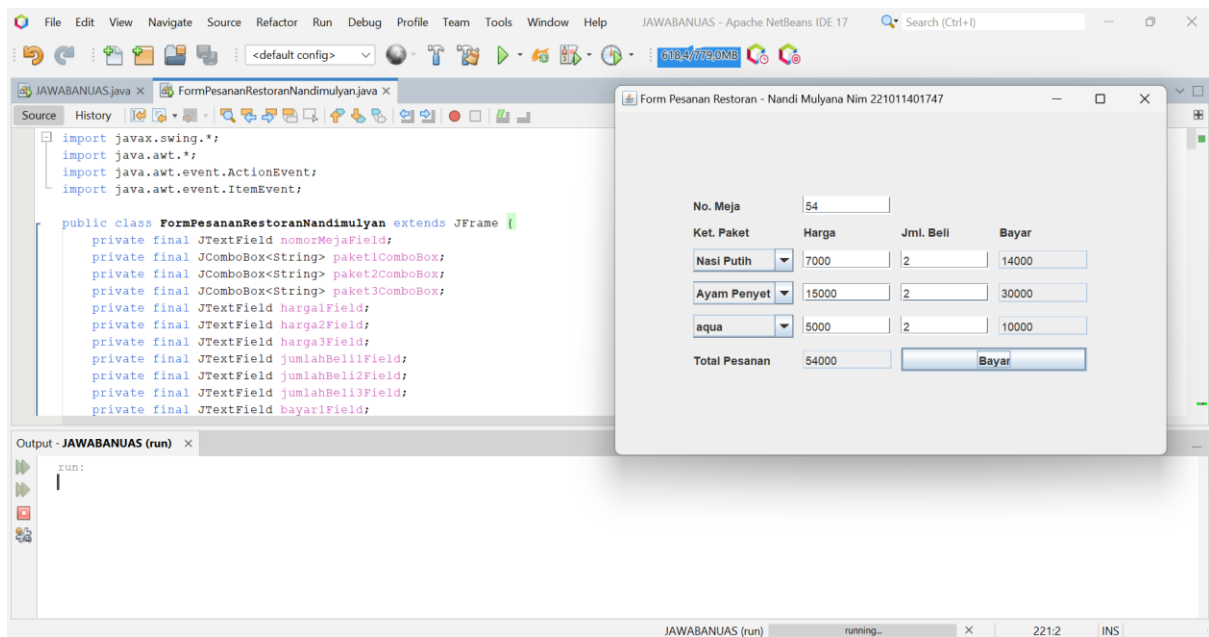
    public static void main(String[] args) {

        FormPesananRestoranNandimulyan formPesananRestoranNandimulyan = new
        FormPesananRestoranNandimulyan();

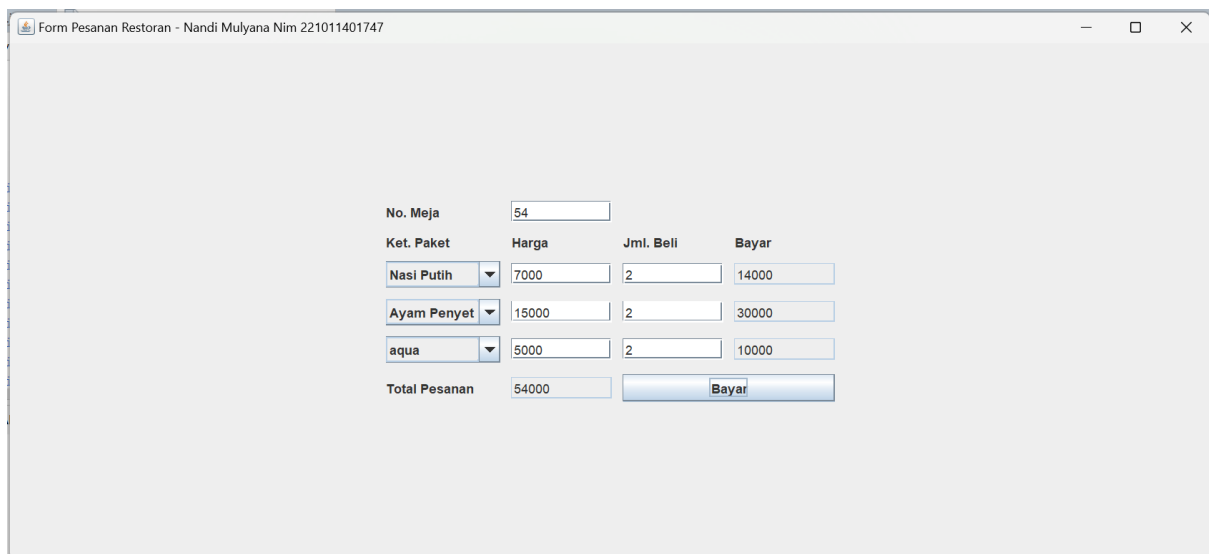
    }
}

```

Screenshot hasil Program



Berikut Hasil Outputnya





UNIVERSITAS PAMULANG
KARTU UJIAN AKHIR SEMESTER GENAP 2023/2024
NOMOR UJIAN : 01225172715406

FAKULTAS / PRODI : ILMU KOMPUTER / TEKNIK INFORMATIKA S1

NAMA MAHASISWA : NANDI MULYANA

NIM : 221011401747

SHIFT : REGULER C

No	Hari/ Tanggal	Waktu	Ruang	Kelas	Mata Kuliah	Paraf
1	Sabtu, 6 Jul 2024	07.40 - 09.20	V.316	04TPLE006	PEMROGRAMAN I	1
2	Sabtu, 6 Jul 2024	07.40 - 09.20	V.316	04TPLE006	CLOUD COMPUTING	2
3	Sabtu, 6 Jul 2024	09.20 - 11.00	V.316	04TPLE006	TEORI BAHASA DAN AUTOMATA	3
4	Sabtu, 6 Jul 2024	11.00 - 13.50	V.316	04TPLE006	BASIS DATA I	4
5	Sabtu, 6 Jul 2024	11.00 - 13.50	V.316	04TPLE006	METODE NUMERIK	5
6	Sabtu, 6 Jul 2024	13.50 - 15.30	V.316	04TPLE006	DATA MINING	6
7	Sabtu, 6 Jul 2024	13.50 - 15.30	V.316	04TPLE006	ANALISA DAN PERANCANGAN SISTEM	7
8	Sabtu, 6 Jul 2024	16.00 - 17.40	V.316	04TPLE006	INTERAKSI MANUSIA DENGAN KOMPUTER	8

Peraturan dan Tata Tertib Peserta Ujian

1. Peserta ujian harus berpakaian rapi, sopan dan memakai jaket Almamater
2. Peserta ujian sudah berada di ruangan sepuluh menit sebelum ujian dimulai
3. Peserta ujian yang terlambat diperkenankan mengikuti ujian setelah mendapat ijin, tanpa perpanjangan waktu
4. Peserta ujian hanya diperkenankan membawa alat-alat yang ditentukan oleh panitia ujian
5. Peserta ujian dilarang membantu teman, mencontoh dari teman dan tindakan-tindakan lainnya yang mengganggu peserta ujian lain
6. Peserta ujian yang melanggar tata tertib ujian dikenakan sanksi akademik



Tangerang Selatan, 28 Juni 2024
Ketua Panitia Ujian

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