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RPLBK SOLID "O"

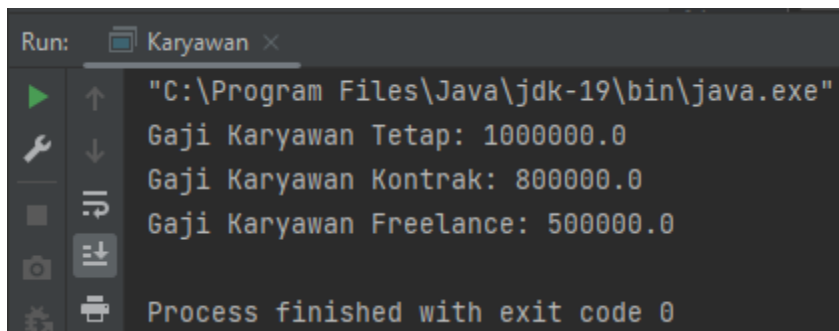
Code yang tidak sesuai Open/Closed Principle

```
public class Karyawan {
    public double hitungGaji(String jenisKaryawan, int jamKerja) {
        if (jenisKaryawan.equals("tetap")) {
            return 100000 * jamKerja;
        } else if (jenisKaryawan.equals("kontrak")) {
            return 80000 * jamKerja;
        } else if (jenisKaryawan.equals("freelance")) {
            return 50000 * jamKerja;
        }
        return 0;
    }

    public static void main(String[] args) {
        Karyawan karyawan = new Karyawan();

        System.out.println("Gaji Karyawan Tetap: " +
            karyawan.hitungGaji("tetap", 10));
        System.out.println("Gaji Karyawan Kontrak: " +
            karyawan.hitungGaji("kontrak", 10));
        System.out.println("Gaji Karyawan Freelance: " +
            karyawan.hitungGaji("freelance", 10));
    }
}
```

Hasil Running:



```
Run: Karyawan x
"C:\Program Files\Java\jdk-19\bin\java.exe"
Gaji Karyawan Tetap: 1000000.0
Gaji Karyawan Kontrak: 800000.0
Gaji Karyawan Freelance: 500000.0
Process finished with exit code 0
```

Code yang sesuai Open/Closed Principle

```
abstract class Karyawan {
    public abstract double hitungGaji(int jamKerja);
}
```

```

}

class KaryawanTetap extends Karyawan {
    @Override
    public double hitungGaji(int jamKerja) {
        return 100000 * jamKerja;
    }
}

class KaryawanKontrak extends Karyawan {
    @Override
    public double hitungGaji(int jamKerja) {
        return 80000 * jamKerja;
    }
}

// Karyawan Freelance
class KaryawanFreelance extends Karyawan {
    @Override
    public double hitungGaji(int jamKerja) {
        return 50000 * jamKerja;
    }
}

class ProsesGaji {
    public double hitung(Karyawan karyawan, int jamKerja) {
        return karyawan.hitungGaji(jamKerja);
    }
}

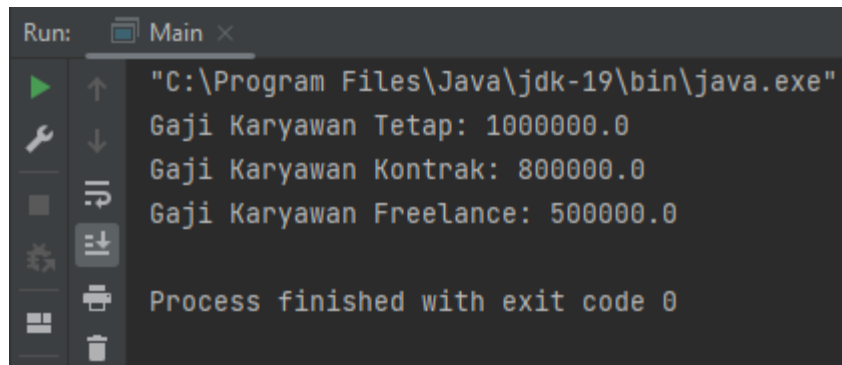
public class Main {
    public static void main(String[] args) {
        Karyawan karyawanTetap = new KaryawanTetap();
        Karyawan karyawanKontrak = new KaryawanKontrak();
        Karyawan karyawanFreelance = new KaryawanFreelance();

        ProsesGaji proses = new ProsesGaji();

        System.out.println("Gaji Karyawan Tetap: " +
proses.hitung(karyawanTetap, 10));
        System.out.println("Gaji Karyawan Kontrak: " +
proses.hitung(karyawanKontrak, 10));
        System.out.println("Gaji Karyawan Freelance: " +
proses.hitung(karyawanFreelance, 10));
    }
}

```

Hasil Running :

A screenshot of an IDE's Run console window. The window has a title bar that says "Run: Main x". On the left side, there is a vertical toolbar with icons for running (a green play button), stepping through code (up and down arrows), debugging (a wrench), and other actions. The main area of the console displays the following text: "C:\Program Files\Java\jdk-19\bin\java.exe", "Gaji Karyawan Tetap: 1000000.0", "Gaji Karyawan Kontrak: 800000.0", "Gaji Karyawan Freelance: 500000.0", and "Process finished with exit code 0".

```
Run: Main x
"C:\Program Files\Java\jdk-19\bin\java.exe"
Gaji Karyawan Tetap: 1000000.0
Gaji Karyawan Kontrak: 800000.0
Gaji Karyawan Freelance: 500000.0
Process finished with exit code 0
```

GitHub: https://github.com/kinghydra00/Code_RPLBK_O