**PEMROGRAMAN BERORIENTASI OBJEK**



Disusun oleh :

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Dosen:

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**PS D-III TEKNIK INFORMATIKA**

**SEKOLAH VOKASI**

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1.  **Input**

<?php

//class

class Buku {

    //property

    public $judul;

    public $penulis;

    public $harga;

    public function \_\_construct($judul, $penulis, $harga) {

        $this->judul = $judul;

        $this->penulis = $penulis;

        $this->harga = $harga;

    }

    public function tampilkanInfo() {

        echo "Judul: " . $this->judul . "<br>";

        echo "Penulis: " . $this->penulis . "<br>";

        echo "Harga: " . $this->harga . "<br>";

        echo "<br>";

    }

}

//objek

$buku1 = new Buku("Ganesha Operation kelas 12 IPA", "Bayu Sapta Hari", 150000);

$buku2 = new Buku("Bumi", "Tere liye", 120000);

$buku3 = new Buku("Garis Waktu", "Fiersa Besari", 135000);

//output

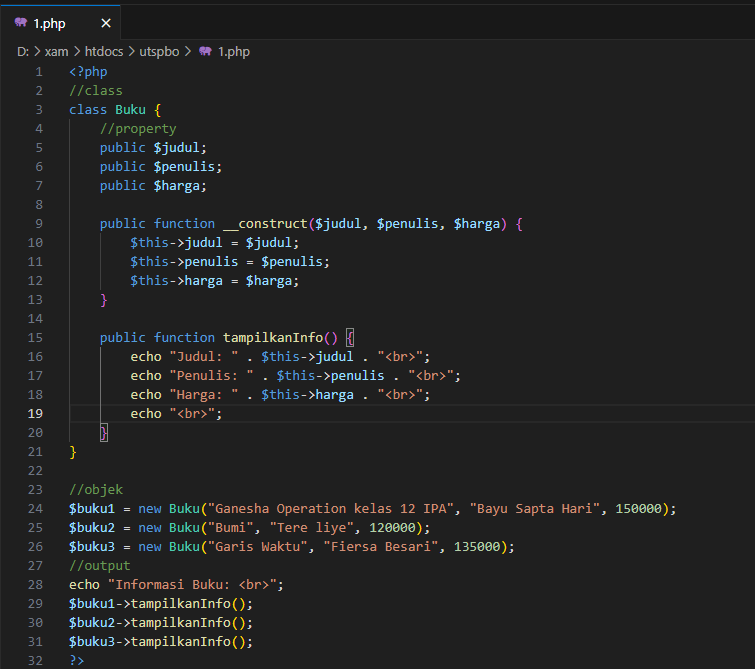
echo "Informasi Buku: <br>";

$buku1->tampilkanInfo();

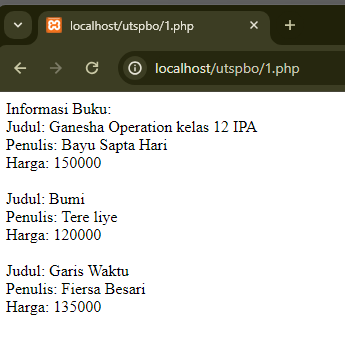
$buku2->tampilkanInfo();

$buku3->tampilkanInfo();

?>



**Output**



2. **Input**

<?php

//class

class BarangElektronik {

    //property

    public $nama;

    public $merek;

    public $harga;

    //method

    public function \_\_construct($nama, $merek, $harga) {

        $this->nama = $nama;

        $this->merek = $merek;

        $this->harga = $harga;

    }

    public function tampilkanInfo() {

        echo "Nama: " . $this->nama . "<br>";

        echo "Merek: " . $this->merek . "<br>";

        echo "Harga: Rp " . number\_format($this->harga, 0, ',', '.') . "<br>";

        echo "Harga Setelah Diskon: Rp " . number\_format($this->hitungDiskon(), 0, ',', '.') . "<br>";

        echo "<br>";

    }

    // untuk menghitung diskon

    public function hitungDiskon() {

        $diskon = $this->harga \* 0.3;

        $hargaSetelahDiskon = $this->harga - $diskon;

        return $hargaSetelahDiskon;

    }

}

//objek

$barang1 = new BarangElektronik("Smartphone", "Iphone Xr", 5000000);

$barang2 = new BarangElektronik("Laptop", "Asus", 8000000);

$barang3 = new BarangElektronik("TV LED", "Sony", 6000000);

// output

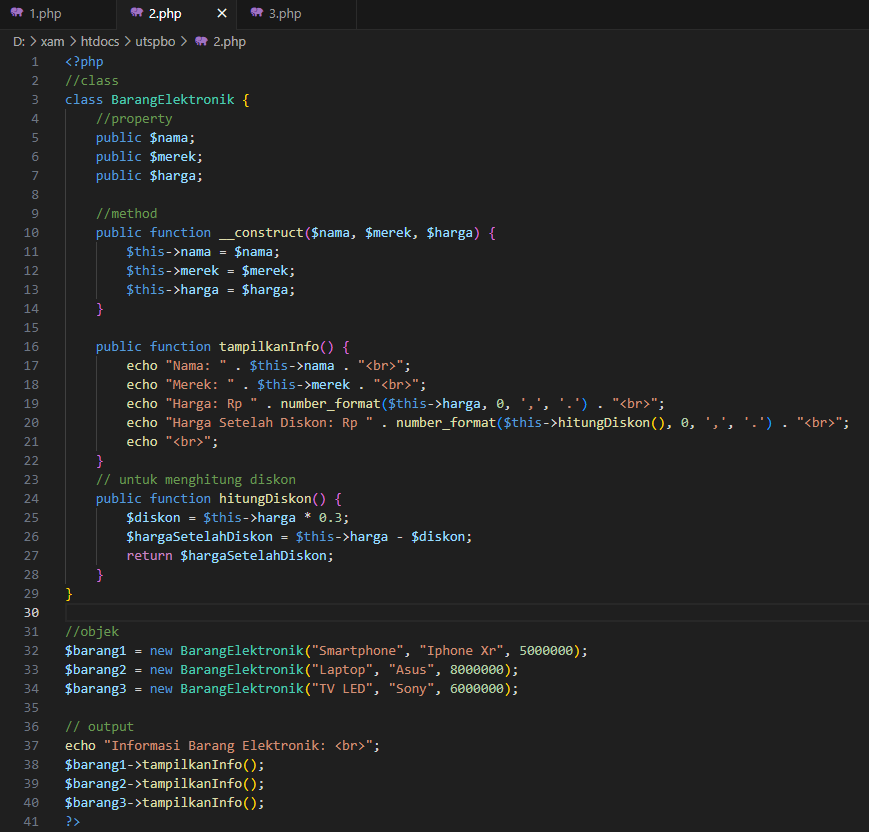
echo "Informasi Barang Elektronik: <br>";

$barang1->tampilkanInfo();

$barang2->tampilkanInfo();

$barang3->tampilkanInfo();

?>



**Output**



3. **Input**

<?php

//Parent class

class Kendaraan {

    //Property

    public $jenis;

    public $warna;

    public $kecepatan\_max;

    //method

    public function \_\_construct($jenis, $warna, $kecepatan\_max) {

        $this->jenis = $jenis;

        $this->warna = $warna;

        $this->kecepatan\_max = $kecepatan\_max;

    }

    public function info() {

        echo "Jenis: " . $this->jenis . "<br>";

        echo "Warna: " . $this->warna . "<br>";

        echo "Kecepatan Maksimum: " . $this->kecepatan\_max . " km/h<br>";

    }

}

// Child mobil

class Mobil extends Kendaraan {

    public $jumlah\_penumpang;

    public function \_\_construct($jenis, $warna, $kecepatan\_max, $jumlah\_penumpang) {

        parent::\_\_construct($jenis, $warna, $kecepatan\_max);

        //tambahan property

        $this->jumlah\_penumpang = $jumlah\_penumpang;

    }

    public function info() {

        parent::info();

        echo "Jumlah Penumpang: " . $this->jumlah\_penumpang . "<br>";

        echo "<br>";

    }

}

// Child motor

class Motor extends Kendaraan {

    public $spesifikasi\_tambahan;

    public function \_\_construct($jenis, $warna, $kecepatan\_max, $spesifikasi\_tambahan) {

        parent::\_\_construct($jenis, $warna, $kecepatan\_max);

        //tambahan property

        $this->spesifikasi\_tambahan = $spesifikasi\_tambahan;

    }

    public function info() {

        parent::info();

        echo "Spesifikasi Tambahan: " . $this->spesifikasi\_tambahan . "<br>";

        echo "<br>";

    }

}

//Objek

$mobil = new Mobil("Sport", "Hitam", 180, 5);

$motor = new Motor("Matic", "Merah", 120, "Kapasitas Mesin 150cc");

//output

echo "Informasi Mobil: <br>";

$mobil->info();

echo "Informasi Motor: <br>";

$motor->info();

?>



**Output**

