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MATA KULIAH : PEMROGRAMAN FRAMEWORK

Tugas 1, Konsep OOP di PHP

<?php

*//class parent*

*class* product {

*//property*

    public $name;

    public $price;

    public $discount;

*//method*

*function* getPrice(){

        return *$this*->price;

    }

*function* setPrice($price){

*$this*->price=$price;

    }

*function* getName(){

        return *$this*->name;

    }

*function* setName($name){

*$this*->name=$name;

    }

*function* getDiscount(){

        return *$this*->discount;

    }

*function* setDiscount($discount){

*$this*->discount=$discount;

    }

}

*class* CDMusic extends product{

    public $artist;

    public $genre;

*function* \_\_construct($name="nama", $price="harga", $discount="diskon"){

    }

*function* getArtist(){

        return *$this*->artist;

    }

*function* setArtist($artist){

*$this*->artist = $artist;

    }

*function* getGenre(){

        return *$this*->genre;

    }

*function* setGenre($genre){

*$this*->genre=$genre;

    }

*function* setPrice($price){

*$this*->price=$price;

    }

*function* getPrice(){

        $harga=*$this*->price;

        $ppn=((10/100)\**$this*->price);

        $discount = ((5/100) \* *$this*->price);

        return ($harga + $ppn) - $discount;

    }

*function* setDiscount($discount){

*$this*->discount = $discount;

    }

}

*class* CDRack extends product

{

    public $capacity;

    public $model;

*function* getCapacity(){

        return *$this*->capacity;

    }

*function* setCapacity($capacity){

*$this*->capacity=$capacity;

    }

*function* getModel(){

        return *$this*->model;

    }

*function* setModel($model){

*$this*->model=$model;

    }

*function* setPrice($price){

*$this*->price=$price;

    }

*function* getPrice(){

        $harga=*$this*->price;

        $tambahan=((15/100)\**$this*->price);

        return $harga+$tambahan;

    }

}

$beli= new product();

$beli\_cdm = new CDMusic();

$beli\_cdr = new CDRack();

$beli->setName("CD music METALICA");

$beli->setPrice("150.000");

$beli->setDiscount("Diskon saat ini : <br/> 1. CDMusic = 5% <br/> 2. CDRack = 0%

(Tidak ada discount)");

echo "\*\*\*PRODUCT\*\*\* <br/>";

echo "".$beli->getName()."<br/>";

echo "Harga :Rp.".$beli->getPrice().",-<br/>";

echo $beli->getDiscount()."<br/><hr/>";

$beli\_cdm->setArtist("METALICA");

$beli\_cdm->setGenre("Rock");

$beli\_cdm->setDiscount("5%");

$beli\_cdm->setPrice(150000);

echo "---SELAMAT DATANG DI CD MUSIC METAL--- <br/>";

echo "Nama Product : " . $beli->getName() . "<br/>";

echo "Artis : " . $beli\_cdm->getArtist() . "<br/>";

echo "Genre : " . $beli\_cdm->getGenre() . "<br/>";

echo "Selamat  anda  mendapatkan  Discount  Sebesar  " .  $beli\_cdm->getDiscount()  . "<br/>";

echo  "Total  Harga  :  Rp."  .  $beli\_cdm->getPrice()  .  ",-<br/>Harga  diatas  sudah termasuk PPN sebesar 10% dan Discount 5%<br/><br/><hr/>";

$beli\_cdr->setCapacity("600mb");

$beli\_cdr->setModel("Keluaran terbaru album pertama");

$beli\_cdr->setPrice(150000);

echo "---SELAMAT DATANG DI CDRACK--- <br/>"; echo "Kapasitas : " . $beli\_cdr->getCapacity() . "<br/>"; echo "Model : " . $beli\_cdr->getModel() . "<br/>";

echo "Mohon maaf anda tidak mendapatkan Discount <br/>";

echo  "Total  Harga  :  Rp."  .  $beli\_cdr->getPrice()  .  ",-<br/>Harga  diatas  sudah termasuk ppn sebesar 15% dan tidak mendapatkan discount";

?>

Simulasi Kasus di Browser:

