NAMA : DEDI PRASETYA

NIM : G.231.21.0215

MATA KULIAH : PEMROGRAMAN FRAMEWORK

Tugas 1, Konsep OOP di PHP

Screenshot kode :

**<?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 Lagu Denny Caknan");**

**$beli->setPrice("100000");**

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

**(Tidak ada discount)");**

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

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

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

**$beli\_cdm->setArtist("Denny Caknan");**

**$beli\_cdm->setGenre("Pop");**

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

**$beli\_cdm->setPrice(100000);**

**echo "---SELAMAT DATANG DI CDMUSIC--- <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(100000);**

**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

