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## Konsep OOP PHP 1

```
konsep oop 1 > index.php
1  <?php
2  class product {
3      public $name;
4      public $price;
5      public $discount;
6      function getPrice(){
7          return $this->price;
8      }
9      function setPrice($price){
10         $this->price=$price;
11     }
12     function getName(){
13         return $this->name;
14     }
15     function setName($name){
16         $this->name = $name;
17     }
18     function getDiscount(){
19         return $this->discount;
20     }
21     function setDiscount($discount){
22         $this->discount = $discount;
23     }
24 }
```

```
konsep oop 1 > index.php
25 /**
26  *
27  */
28 class CDMusic extends product
29 {
30     public $artist;
31     public $genre;
32     function __construct($name="nama", $price="harga", $discount="diskon"){
33     }
34     function getArtist(){
35         return $this->artist;
36     }
37     function setArtist($artist){
38         $this->artist = $artist;
39     }
40     function getGenre(){
41         return $this->genre;
42     }
43     function setGenre($genre){
44         $this->genre = $genre;
45     }
46     function setPrice($price){
47         $this->price = $price;
48     }
49     function getPrice(){
50         $harga = $this->price;
51         $ppn = ((10/100) * $this->price);
52         $discount = ((5/100) * $this->price);
53         return ($harga + $ppn) - $discount;
54     }
```

```
konsep oop 1 > index.php
54     }
55     function setDiscount($discount){
56         $this->discount = $discount;
57     }
58 }
59 /**
60  *
61  */
62 class CDRack extends product
63 {
64     public $capacity;
65     public $model;
66     function getCapacity(){
67         return $this->capacity;
68     }
69     function setCapacity($capacity){
70         $this->capacity = $capacity;
71     }
72     function getModel(){
73         return $this->model;
74     }
75     function setModel($model){
76         $this->model = $model;
77     }
78     function setPrice($price){
79         $this->price = $price;
80     }
```

```
81     function getPrice(){
82         $harga = $this->price;
83         $tambahan = ((15 / 100) * $this->price);
84         return $harga + $tambahan;
85     }
86 }
87 $beli = new product();
88 $beli_cdm = new CDMusic();
89 $beli_cdr = new CDRack();
90
91 $beli->setName("CD lagu");
92 $beli->setPrice(500000);
93 $beli->setDiscount("Discount saat ini : 1. CDMusic = 5% <br/> 2. CDRack = 0%
94 (Tidak ada discount)");
95
96 echo "Nama Product : " . $beli->getName() . "<br/>";
97 echo "Harga : Rp. " . $beli->getPrice() . ",-<br/>";
98 echo $beli->getDiscount() . "<br/><hr/>";
99
100 $beli_cdm->setArtist("Taylor Swift");
101 $beli_cdm->setGenre("Pop");
102 $beli_cdm->setDiscount("5%");
103 $beli_cdm->setPrice(700000);
```

```
104
105 echo "---SELAMAT DATANG DI CDMUSIC--- <br/>";
106 echo "Nama Product : " . $beli->getName() . "<br/>";
107 echo "Artis : " . $beli_cdm->getArtist() . "<br/>";
108 echo "Genre : " . $beli_cdm->getGenre() . "<br/>";
109 echo "Selamat anda mendapatkan Discount Sebesar " . $beli_cdm->getDiscount() .
110 "<br/>";
111 echo "Total Harga : Rp." . $beli_cdm->getPrice() . ",-<br/>Harga diatas sudah
112 termasuk PPN sebesar 10% dan Discount 5%<br/><br/><hr/>";
113
114 $beli_cdr->setCapacity("1000mb");
115 $beli_cdr->setModel("Keluaran terbaru album pertama");
116 $beli_cdr->setPrice(500000);
117 echo "---SELAMAT DATANG DI CDRACK--- <br/>";
118 echo "Kapasitas : " . $beli_cdr->getCapacity() . "<br/>";
119 echo "Model : " . $beli_cdr->getModel() . "<br/>";
120 echo "Mohon maaf anda tidak mendapatkan Discount <br/>";
121 echo "Total Harga : Rp." . $beli_cdr->getPrice() . ",-<br/>Harga diatas sudah
122 termasuk ppn sebesar 15% dan tidak mendapatkan discount";
123
124 ?>
```

Nama Product : CD lagu  
Harga : Rp. 500000,-  
Discount saat ini : 1. CDMusic = 5%  
2. CDRack = 0% (Tidak ada discount)

---SELAMAT DATANG DI CDMUSIC---

Nama Product : CD lagu  
Artis : Taylor Swift  
Genre : Pop  
Selamat anda mendapatkan Discount Sebesar 5%  
Total Harga : Rp.735000,-  
Harga diatas sudah termasuk PPN sebesar 10% dan Discount 5%

---SELAMAT DATANG DI CDRACK---

Kapasitas : 1000mb  
Model : Keluaran terbaru album pertama  
Mohon maaf anda tidak mendapatkan Discount  
Total Harga : Rp.575000,-  
Harga diatas sudah termasuk ppn sebesar 15% dan tidak mendapatkan discount

## Konsep OOP PHP 2

```
konsep oop 2 > index.php
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <link rel="stylesheet" href="../../css/app.css">
8     <title>Tugas Oop</title>
9 </head>
10 <body>
11     <?php
12     interface Hewan
13     {
14         public function Makan();
15         public function Berjalan();
16         public function Bersuara();
17         public function Sepeda();
18     }
```

```

48
49     public function Berjalan()
50     {
51         return "";
52     }
53
54     public function Bersuara()
55     {
56         return "";
57     }
58     public function Sepeda()
59     {
60         return "Monyet juga dapat menaiki sebuah sepeda<br/>";
61     }
62
63 }
64 $Monyet = new Monyet;
65 $Lainnya = new Lainnya;
66 echo "<b>Kemampuan Monyet : </b><br/>";
67 echo $Monyet->Makan();
68 echo $Monyet->Berjalan();
69 echo $Monyet->Bersuara();
70 echo $Monyet->Sepeda();
71
72 echo "<b>Kemampuan Lainnya Apabila Dilatih : </b><br/>";
73 echo $Monyet->Sepeda();
74 ?>
75 </body>
76 </html>
```

```

18 }
19 class Monyet implements Hewan
20 {
21     public function Makan()
22     {
23         return "Monyet dapat berjalan<br/>";
24     }
25
26     public function Berjalan()
27     {
28         return "Monyet memakan pisang<br/>";
29     }
30
31     public function Bersuara()
32     {
33         return "Monyet dapat bersuara<br/>";
34     }
35     public function Sepeda()
36     {
37         return "Tapi Juga dapat naik sepeda apa<br/>";
38     }
39
40 }
41
42 class Lainnya implements Hewan
43 {
44     public function Makan()
45     {
46         return "";
47     }
48 }
```

### Kemampuan Monyet :

Monyet dapat berjalan

Monyet memakan pisang

Monyet dapat bersuara

Tapi Juga dapat naik sepeda apa

### Kemampuan Lainnya Apabila Dilatih :

Tapi Juga dapat naik sepeda apa