

C:\xampp\htdocs\lagas1\w\lib.php

```
1  <?php
2
3  // =====
4  // CLASS LIBRARYBOOK
5  // =====
6
7  class LibraryBook {
8
9      public $bookCode;
10     private $price;
11     protected $title;
12
13     // Constructor
14     public function __construct($bookCode, $price, $title)
15     {
16         $this->bookCode = $bookCode;
17         $this->price = $price;
18         $this->title = $title;
19     }
20
21     // Setter dan Getter Book Code
22     public function setBookCode($bookCode)
23     {
24         $this->bookCode = $bookCode;
25     }
26
27     public function getBookCode()
28     {
29         return $this->bookCode;
30     }
31
32     // Setter dan Getter Price
33     public function setPrice($price)
34     {
35         $this->price = $price;
36     }
37
38     public function getPrice()
39     {
40         return $this->price;
41     }
42
43     // Setter dan Getter Title
44     public function setTitle($title)
45     {
46         $this->title = $title;
47     }
48
49     public function getTitle()
50     {
51         return $this->title;
52     }
53
54     // Static Method
```

```

54     // Static Method
55     public static function discountRate()
56     {
57         return 5;
58     }
59 }
60
61 // =====
62 // SUBCLASS PREMIUMBOOK
63 // =====
64
65 class PremiumBook extends LibraryBook {
66
67     public static function discountRate()
68     {
69         return 10;
70     }
71 }
72
73 // =====
74 // CLASS LAIN
75 // =====
76
77 final class School {
78
79     public static $schoolName = "SMK Negeri 1";
80
81     public static function getSchoolName()
82     {
83         return self::$schoolName;
84     }
85
86     final public function information()
87     {
88         return "Metode ini tidak dapat dioverride.";
89     }
90 }
91
92 // =====
93 // TESTING PROGRAM
94 // =====
95
96 $book = new LibraryBook(
97     "BK001",
98     75000,
99     "Pemrograman PHP"
100 );
101
102 echo "<h3>Data Buku Reguler</h3>";
103 echo "Kode Buku : " . $book->getBookCode() . "<br>";
104 echo "Judul Buku : " . $book->getTitle() . "<br>";
105 echo "Harga Buku : Rp " . number_format($book->getPrice(), 0, ',', '.') . "<br>";

```

```
105 echo "Harga Buku : Rp " . number_format($book->getPrice(), 0, ',', '.') . "<br>";
106 echo "Diskon : " . LibraryBook::discountRate() . "%<br><br>";
107
108 $premium = new PremiumBook(
109     "BK002",
110     150000,
111     "PHP Advanced"
112 );
113
114 echo "<h3>Data Buku Premium</h3>";
115 echo "Kode Buku : " . $premium->getBookCode() . "<br>";
116 echo "Judul Buku : " . $premium->getTitle() . "<br>";
117 echo "Harga Buku : Rp " . number_format($premium->getPrice(), 0, ',', '.') . "<br>";
118 echo "Diskon Premium : " . PremiumBook::discountRate() . "%<br><br>";
119
120 echo "<h3>Data Sekolah</h3>";
121 echo "Nama Sekolah : " . School::getSchoolName() . "<br>";
122
123 $school = new School();
124 echo $school->information();
125
126 ?>
```