

Nama: Riska Octavia Arianto

NIM: 21091397059

Prodi: D4 Manajemen Informatika (2021A)

Laporan Praktikum 4 PBO

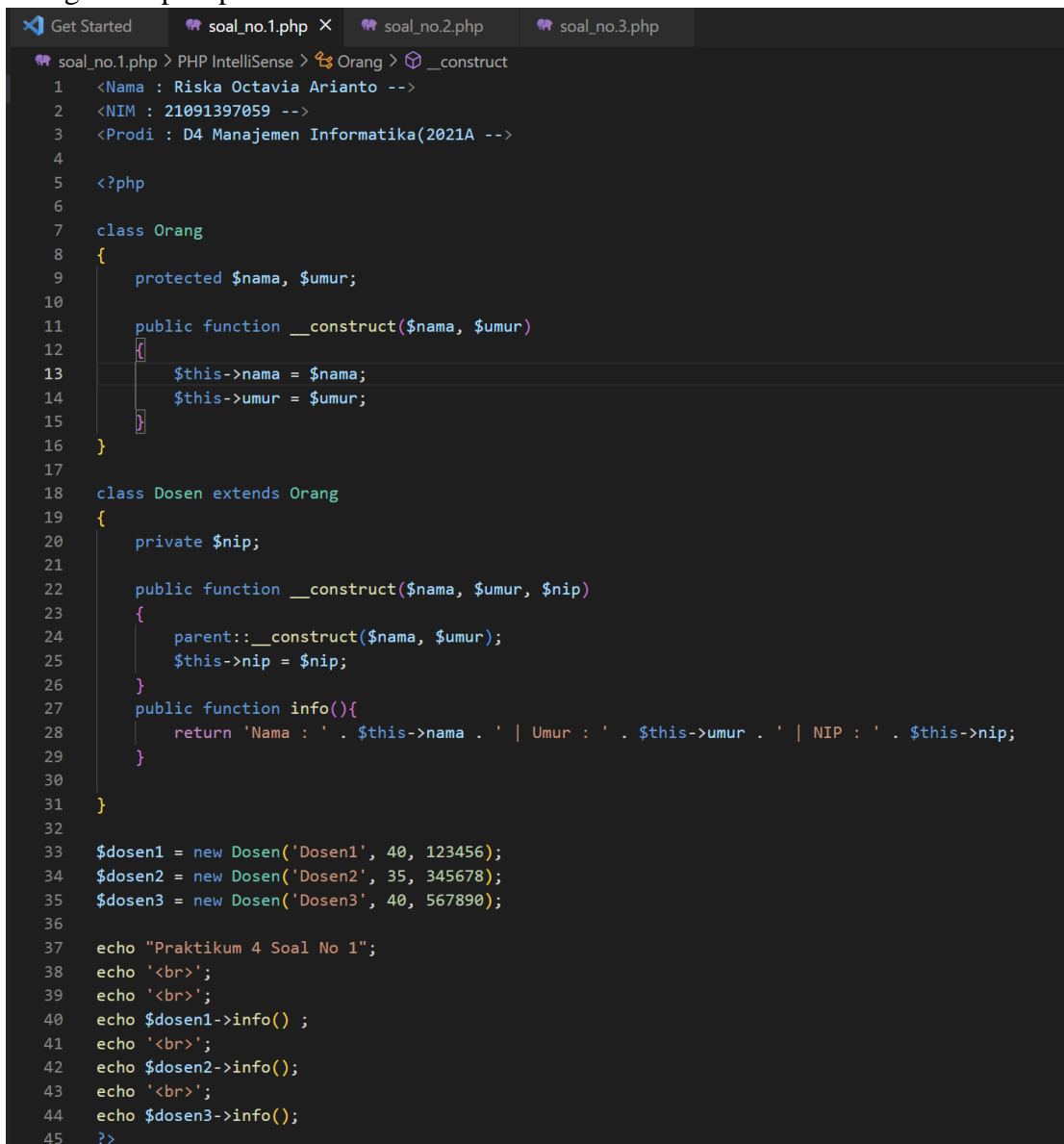
1. Output yang dihasilkan adalah seperti ini



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Code
[Running] php "c:\xampp\htdocs\PBO\Praktikum4\soal_no.1.php"
<Nama : Riska Octavia Arianto -->
<NIM : 21091397059 -->
<Prodi : D4 Manajemen Informatika(2021A -->

Praktikum 4 Soal No 1<br><br>Nama : Dosen1 | Umur : 40 | NIP : 123456<br>Nama : Dosen2 | Umur : 35 | NIP : 345678<br>Nama : Dosen3 | Umur : 40 | NIP : 567890
[Done] exited with code=0 in 0.151 seconds
```

Dengan script seperti berikut



```
Get Started soal_no.1.php X soal_no.2.php soal_no.3.php
soal_no.1.php > PHP IntelliSense > Orang > __construct
1 <Nama : Riska Octavia Arianto -->
2 <NIM : 21091397059 -->
3 <Prodi : D4 Manajemen Informatika(2021A -->
4
5 <?php
6
7 class Orang
8 {
9     protected $nama, $umur;
10
11     public function __construct($nama, $umur)
12     {
13         $this->nama = $nama;
14         $this->umur = $umur;
15     }
16 }
17
18 class Dosen extends Orang
19 {
20     private $nip;
21
22     public function __construct($nama, $umur, $nip)
23     {
24         parent::__construct($nama, $umur);
25         $this->nip = $nip;
26     }
27     public function info(){
28         return 'Nama : ' . $this->nama . ' | Umur : ' . $this->umur . ' | NIP : ' . $this->nip;
29     }
30 }
31
32
33 $dosen1 = new Dosen('Dosen1', 40, 123456);
34 $dosen2 = new Dosen('Dosen2', 35, 345678);
35 $dosen3 = new Dosen('Dosen3', 40, 567890);
36
37 echo "Praktikum 4 Soal No 1";
38 echo '<br>';
39 echo '<br>';
40 echo $dosen1->info() ;
41 echo '<br>';
42 echo $dosen2->info();
43 echo '<br>';
44 echo $dosen3->info();
45 ?>
```

2. Hasil yang muncul adalah seperti berikut

Soal No 2

MENGHITUNG RATA-RATA NILAI

Masukkan nilai :

Masukkan nilai :

Masukkan nilai :

$$(4 + 2 + 2) / 3 = 3.33333333333333$$

Dengan script seperti berikut

```
soal_no.2.php > PHP Intelephense > Nama > NIM > Prodi
5  <?php
6
7  class RerataNilai {
8      protected $value, $value2;
9      public function __construct($value, $value2){
10         $this->value = $value;
11         $this->value2 = $value2;
12     }
13
14     public function average($value3 = 0){
15         if ($value3 == 0) {
16             $str = $this->value . ' + ' . $this->value2 . ' / 2 = ';
17             return $str . ($this->value += $this->value2 ) / 2;
18         } else {
19             $str = '(' . $this->value . ' + ' . $this->value2 . ' + ' . $this->value2 . ' ) / 3 = ';
20             return $str . ($this->value += $this->value2 += $value3 ) / 3;
21         }
22     }
23 }
24
25
26
27 class RerataNilai2 extends RerataNilai{
28     public function __construct($value, $value2){
29         parent::__construct($value, $value2);
30     }
31
32     public function average($value3 = 0){
33         return parent::average($value3);
34     }
35 }
36
37 ?>
38
39 <html lang="en">
40 <head>
41     <link rel="stylesheet" href="No 2.css">
42     <title>Praktikum 4</title>
43 </head>
44 <body>
45 <div class="container">
46 <h4>Soal No 2</h4>
47 <div class="form">
48     <h3>MENGHITUNG RATA-RATA NILAI</h3>
49     <form action="" method="post">
50         <label>Masukkan nilai : </label>
51         <input type="number" name="input1" placeholder="input nilai 1">
```

```

49     <form action="" method="post">
50         <label>Masukkan nilai : </label>
51         <input type="number" name="input1" placeholder="input nilai 1">
52         <br>
53         <label>Masukkan nilai : </label>
54         <input type="number" name="input2" placeholder="input nilai 2">
55         <br>
56         <label>Masukkan nilai : </label>
57         <input type="number" name="input3" placeholder="input nilai 3">
58         <br>
59         <button type="submit" name="submit">Hitung</button>
60     </form>
61 </div>
62
63     <?php
64         if (isset($_POST['submit'])) {
65             if (!$_POST['input3']) {
66                 $value1 = new RerataNilai2($_POST['input1'], $_POST['input2']);
67                 echo $value1->average(0);
68             } else {
69                 $value1 = new RerataNilai2($_POST['input1'], $_POST['input2']);
70                 echo $value1->average($_POST['input3']);
71             }
72         }
73     ?>
74 </div>
75 </body>
76 </html>
77

```

3. Berikut adalah output soal no.3

Praktikum 4

Tabel Data Karakteristik Obyek

Obyek	Umur	Nama	Panjang Ekor	Cara Bergerak
01	5	Froggy	-	Melompat
02	2	Junior Frog	10	Berenang

Dengan script seperti berikut

```
5  <?php
6  class Katak {
7      public $umur, $nama;
8
9      public function __construct($umur, $nama)
10     {
11         $this->umur = $umur;
12         $this->nama = $nama;
13     }
14
15     public function getCaraBergerak()
16     {
17         return 'Melompat';
18     }
19
20     public function getUmur()
21     {
22         return $this->umur;
23     }
24
25     public function getNama()
26     {
27         return $this->nama;
28     }
29 }
30
31 class Kecebong extends Katak {
32     private $panjangEkor;
33
34     public function panjangEkor($umur, $nama, $panjangEkor)
35     {
36         parent::__construct($umur, $nama);
37         $this->panjangEkor = $panjangEkor;
38     }
39
40     public function getCaraBergerak()
41     {
42         return 'Berenang';
43     }
44
45     public function getPanjangEkor()
46     {
47         return $this->panjangEkor = 10;
48     }
49 }
```

```

48
49 $katak = new Katak(5, 'Froggy');
50 $kecebong = new Kecebong(2, 'Junior Frog', 10);
51
52 ?>
53
54 <html align="center">
55     <title>Katak & Kecebong</title>
56
57     <h4>Praktikum 4</h4>
58     <h2>Tabel Data Karakteristik Obyek</h2>
59
60 <table align= "center" border="1" style="border-collapse: collapse;"
61 width="90%" height="30%">
62     <tr bgcolor="violet">
63         <th>Obyek</th>
64         <th>Umur</th>
65         <th>Nama</th>
66         <th>Panjang Ekor</th>
67         <th>Cara Bergerak</th>
68     </tr>
69
70     <tr align="center">
71         <td>01</td>
72         <td><?= $katak->getUmur(); ?></td>
73         <td><?= $katak->getNama(); ?></td>
74         <td>-</td>
75         <td><?= $katak->getCaraBergerak(); ?></td>
76     </tr>
77
78     <tr align="center">
79         <td>02</td>
80         <td><?= $kecebong->getUmur(); ?></td>
81         <td><?= $kecebong->getNama(); ?></td>
82         <td><?= $kecebong->getPanjangEkor(); ?></td>
83         <td><?= $kecebong->getCaraBergerak(); ?></td>
84     </tr>
85
86 </table>
87 </html>

```