Tugas Pemrograman Berorientasi Objek Praktikum 6



Disusun oleh:

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Program Studi D4 Manajemen Informatika Fakultas Vokasi Universitas Negeri Surabaya 2022

```
▼ File Edit Selection View Go Run Terminal Help
                                                                                  No1.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                        • 🖽 ...
Ф
      V PRAKTIKUM 6
                                             No1 > 😭 No1.php
1 <--- Azkia Kamila ; 21091397027 ; 2021A --->
        m abstract.php
                                                    class Truck extends Vehicle {
   public function __construct($maxLoad, $name)
                                                              $this->maxLoad = $maxLoad;
$this->name = $name;
        m abstract.php
        😭 index.php
        m interface.php
                                                             $fuel = $this->calcFuelEfficiency();
$trip = $this->calcTripDistance();
        🖛 interface.php
        M No4.php
       -$7_Azkia Kamila_PBO P06.docx
                                                     class RiverBarge extends Vehicle {
   public function __construct($maxLoad, $name)
       ■ 027_Azkia Kamila_PBO P06.docx
                                                              $this->maxLoad = $maxLoad;
$this->name = $name;
S > OUTLINE
                                                                                                                                                         Ln 1, Col 1 Spaces: 4 UTF-8 CRLF PHP 🛱 🚨
```

Figure 1 No1.php

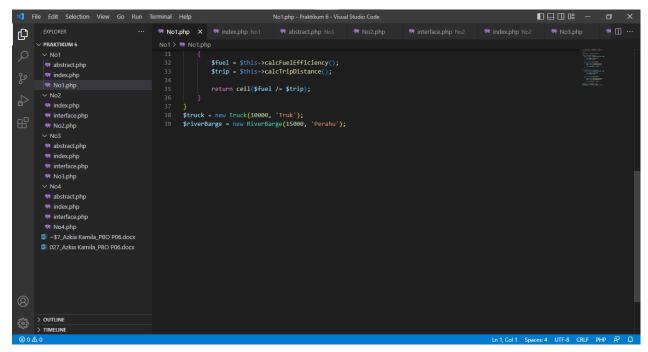


Figure 2 No1.php

```
▼ File Edit Selection View Go Run Terminal Help
                                                                  index.php - Praktikum 6 - Visual Studio Code
                                                                                                                                        m index.php No1 X m abstract.php No1
                                                                                                                                                          e II ...
Ф
     ∨ PRAKTIKUM 6
      ₩ No1.php
                                          <!DOCTYPE html>
<html lang="id";</pre>
      m index.php
       * interface.php
                                             <
       m interface.php
                                              <title>PBO - Praktikum 6</title>
       M No3.php
       * abstract.php
                                                  <h2 class="text-center">PBO - Praktikum 6</h2>
                                                      ■ 027_Azkia Kamila_PBO P06.docx
                                                          <br/>
<br/>
<br/>
<br/>
<br/>
<br/>
<br/>
<br/>
/b>
                                                         <?= $truck->add8ox(3000) . ' kg'; ?> <br><?= $truck->add8ox(1000) . ' kg'; ?> <br><?= $truck->add8ox(6000) . ' kg'; ?> <br>
    > OUTLINE
                                                                            Rutuh Rahan Rakan sahanyak " Struck-ScalcEualMands/) ' 1
In 53, Col 8
     > TIMELINE
```

Figure 3 index.php

```
🚺 File Edit Selection View Go Run Terminal Help
                                                            index.php - Praktikum 6 - Visual Studio Code
                                                                                                                            D
                                 No1 > 💝 index.php
    ∨ PRAKTIKUM 6
      m abstract.php
                                                           echo "Jadi, Butuh Bahan Bakar sebanyak " . $truck->calcFuelNeeds() . ' Liter'. '<br>';
      ₩ No1.php
                                                     <br/><b><?= $riverBarge->getMaxLoad() . ' kg'; ?> <br></b>
      M No2.php
                                                    m abstract.php
      💝 index.php
      m interface.php
> OUTLINE
    > TIMELINE
                                                                                                                 Ln 53, Col 8 Spaces: 4 UTF-8 CRLF PHP デ し
```

Figure 4 index.php

```
▼ File Edit Selection View Go Run Terminal Help
                                                                                        abstract.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                                         m index.php No1 m abstract.php No1 X m No2.php
                                                                                                                                                                                                                 · III ···
Ф
         🐄 index.php
         ₩ No1.php
                                                         abstract class Vehicle { private $load = 0; protected $maxLoad = 0, $name;
         m index.php
         * interface.php
                                                               protected function __construct($maxLoad, $name) {
    $this->$maxLoad = $maxLoad;
    $this->$name = $name;
         m interface.php
                                                               public function getLoad() {
                                                               return $this->load;
}
         M No3.php
         * abstract.php
                                                               public function getMaxLoad() {
   echo 'Maksimal muatan ' . $this->name . ' ';
                                                                   echo 'Maksimal muatan
return $this->maxLoad;
                                                               public function addBox($weight) {
   if ($this->load >= $this->maxLoad) {
                                                                       echo "$this->name menambah muatan sebesar $weight <br/>
echo 'Muatan telah penuh tidak bisa menambah lagi';
                                                                    echo "$this->name menambah muatan sebesar $weight";
> OUTLINE
> TIMELINE
                                                                             public function calcFuelNeeds().
```

Figure 5 abstract.php

```
📢 File Edit Selection View Go Run Terminal Help
                                                                             abstract.php - Praktikum 6 - Visual Studio Code
                                                                                ** abstract.php No1 × ** No2.php
D
     ∨ PRAKTIKUM 6
        m abstract.php
                                                                echo "$this->name menambah muatan sebesar $weight":
        m index.php
                                                           $range = 50000000;
$range /= $this->load;
return $range;
        M No2.php
        m abstract.php
                                                       protected function calcTripDistance() {
        💝 index.php
        💝 interface.php
> OUTLINE
      > TIMELINE
                                                                                                                                                  Ln 44, Col 2 Spaces: 4 UTF-8 CRLF PHP R Q
```

Figure 6 abstract.php



<--- Azkia Kamila ; 21091397027 ; 2021A ---> <--- Azkia Kamila ; 21091397027 ; 2021A ---> <--- Azkia Kamila ; 21091397027 ; 2021A --->

PBO - Praktikum 6

Soal 1 Maksimal muatan Truk 10000 kg Truk menambah muatan sebesar 3000 kg Truk menambah muatan sebesar 1000 kg Truk menambah muatan sebesar 6000 kg Jadi, Butuh Bahan Bakar sebanyak 10 Liter Maksimal muatan Perahu 15000 kg Perahu menambah muatan sebesar 1000 kg Perahu menambah muatan sebesar 6000 kg Perahu menambah muatan sebesar 8000 kg Jadi, Butuh Bahan Bakar sebanyak 7 Liter

```
d File Edit Selection View Go Run Terminal Help

    No2.php - Praktikum 6 - Visual Studio Code

                                                                                                                                                                   <u>C</u>
     ∨ PRAKTIKUM 6
                                            No2 > % No2.php
1 <--- Azkia Kamila ; 21091397027 ; 2021A --->
        m abstract.php
                                                       public function takeOff() {
    return 'Pesawat lepas landas..';
        M No2.php
                                                       m abstract.php
        m index.php
                                                       public function fly() {
    return 'Pesawat dalam perjalanan';
                                                  class Bird implements Flyer {
   public function takeOff() {
      return 'Burung mencari makan';
}
        💝 interface.php
        M No4.php
                                                       public function land() {
    return 'Burung kembali pulang';
                                                        public function fly() {
   return 'Burung terbang';
                                                           return 'Burung membuat sarang';
> OUTLINE
                                                        public function layEggs() {
      > TIMELINE
                                                                                                                                                    Ln 49, Col 6 Spaces: 4 UTF-8 CRLF PHP R
```

Figure 7 No2.php

```
    No2.php - Praktikum 6 - Visual Studio Code

■ No2.php 
■ 
■ interface.php No2

<u>C</u>
                                            ∨ PRAKTIKUM 6
        m abstract.php
       m index.php
                                                        public function layEggs() {
                                                            return 'Burung bertelur';
                                                    class Superman implements Flyer {
                                                      public function takeOff() {
    return 'Superman mengejar Batman';
        * abstract.php
        😭 index.php
                                                       public function land() {
   return 'Superman melawan Batman';
                                                        public function fly() {
    return 'Superman melancarkan pukulan';
                                                        }
public function leapBuilding() []

Public function leapBuilding() []
                                                        return 'Batman terpental me
        🖛 interface.php
                                                        public function stopBullet() {
    return 'Polisi menembaki superman namun ditangkis';
}
      -$7 Azkia Kamila PBO P06.docx
       ■ 027_Azkia Kamila_PBO P06.docx
                                                    $bird = new Bird;
$superman = new Superman;
S > OUTLINE
      > TIMELINE
                                                                                                                                                     Ln 49, Col 6 Spaces: 4 UTF-8 CRLF PHP & Q
```

Figure 8 No2.php

```
▼ File Edit Selection View Go Run Terminal Help
                                                                                    interface.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                                 ... # interface.php No2 X # index.php No2
Ф
        ₩ No1.php
                                                       interface Flyer {
   public function takeOff();
        m index.php
                                                             public function land();
public function fly();
         m interface.php
        ₩ No2.php
                                                       interface Sailer []
   public function dock();
   public function cruise();
         m interface.php
        M No3.php
        * abstract.php
       ■ 027_Azkia Kamila_PBO P06.docx
> OUTLINE
> TIMELINE
```

Figure 9 interface.php

```
▼ File Edit Selection View Go Run Terminal Help
                                                                                  index.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                         ndex.php No2 X No3.php
D

√ PRAKTIKUM 6

                             다 다 이 의 No2 > # index.php
       🖛 index.php
                                                      <html lang="en">
        m interface.php
        ₩ No2.php
                                                        <!-- Bootstrap CSS -->
ktps://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-1BmE4kwBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU10Boqy12QvZ6jIW3" crossorigin="anonymous"
        nterface.php

♥ No3.php

        m abstract.php
        m index.php
                                                           <div class="container">
                                                              ■ 027_Azkia Kamila_PBO P06.docx
                                                                                 echo "Superman";
                                                                        <?= $superman->land(); ?> <br>
<?= $superman->takeOff(); ?> <br/>

                                                                        <?= $superman->fly(); ?> <br>
<?= $superman->leapBuilding(); ?> <br>

> OUTLINE
> TIMELINE
                                                                                                                                                          Ln 55, Col 8 Spaces: 4 UTF-8 CRLF PHP 후
```

Figure 10 index.php

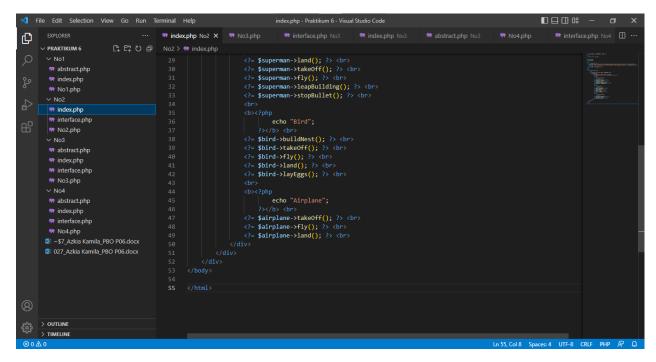
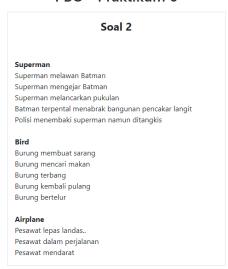


Figure 11 index.php



PBO - Praktikum 6



```
📢 File Edit Selection View Go Run Terminal Help
                                                                                                                                                           No3.php - Praktikum 6 - Visual Studio Code
                                   ... • No3.php X • interface.php No3 • index.php No3
D
     ∨ PRAKTIKUM 6
                                          No3 > % No3.php
1 <--- Azkia Kamila ; 21091397027 ; 2021A --->
        m abstract.php
                                            require_once '../No3/abstract.php';
require_once '../No3/interface.php';
       M No2.php
        m abstract.php
       m abstract.php
       💝 interface.php
       ₩ No4.php
                                                         $this->name = $name;
> OUTLINE
     > TIMELINE
                                                                                                                                            Ln 90, Col 40 Spaces: 4 UTF-8 CRLF PHP 후
```

Figure 12 No3.php

```
No3.php - Praktikum 6 - Visual Studio Code

■ No3.php X ■ interface.php No3

<sub>C</sub>
     ∨ PRAKTIKUM 6
                                                   public function takeOff()
       m abstract.php
       m index.php
                                                      return "$this->name mendarat":
       * abstract.php
       😭 index.php
                                                       $fuel = $this->calcFuelEfficiency();
       🖛 interface.php
       M No4.php
      -$7 Azkia Kamila PBO P06.docx

    ~WRL0104.tmp

      027_Azkia Kamila_PBO P06.docx
                                                   public function takeOff()
S > OUTLINE
     > TIMELINE
                                                                                                                                      Ln 90, Col 40 Spaces: 4 UTF-8 CRLF PHP & Q
```

Figure 13 No3.php

```
★ File Edit Selection View Go Run Terminal Help
                                                                                 No3.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                      ... No3.php X m interface.php No3 m index.php No3 m abstract.php No3 no4.php
Ð
        m index.php
                                                             return "$this->name melawan Batman";
        m interface.php
                                                             return "$this->name melancarkan pukulan";
        m interface.php
        ₩ No3.php
                                                         public function leapBuilding()
        💝 abstract.php
                                                         public function stopBullet()
       ■ 027 Azkia Kamila PBO P06.docx
                                                   $singa = new Animal('Singa');
$manusia = new Homosapiens('Andi');
$airplane2 = new Airplane2(20000, 'Garuda Air');
$superman2 - new Superman2('Superman');
> OUTLINE > TIMELINE
```

Figure 14 No3.php

```
m interface.php No3 X m index.php No3
                                                                                                                                                                                                * abstract.phr  ...
D
      ∨ PRAKTIKUM 6
                               [+ F ひ ⑤ No3 > ♥ interface.php
                                                        <--- Azkia Kamila ; 21091397027 ; 2021A --->
                                                        interface Flyer {
   public function takeOff();
   public function land();
   public function fly();
        💝 index.php
        m interface.php
                                                        interface Sailer {
   public function dock();
   public function cruise();
        🐄 interface.php
         M No3.php
         e abstract.php
         ndex.php
        ■ 027 Azkia Kamila PBO P06.docx
> OUTLINE
      > TIMELINE
                                                                                                                                                                    Ln 14, Col 2 Spaces: 4 UTF-8 CRLF PHP 🔊
```

Figure 15 interface.php

```
★ File Edit Selection View Go Run Terminal Help
                                                                                                                                                                                                                                                                            index.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ... mindex.php No3 X mabstract.php No3
 Ð
                          ₩ No1.php
                          💝 index.php
                                                                                                                                                                              <!DOCTYPE html>
<html lang="id"</pre>
                          m interface.php
                                                                                                                                                                                        <
                            m interface.php
                                                                                                                                                                                           <title>PBO - Praktikum 6</title>
                            M No3.php
                                                                                                                                                                              💝 abstract.php
                                                                                                                                                                                                              <h2 class="text-center">PBO - Praktikum 6</h2>
<div class="row">
                                                                                                                                                                                                                               <?= $singa->eat(); ?> <br>
<?= $manusia->eat(); ?> <br
</pre>
                        027 Azkia Kamila PBO P06.docx
                                                                                                                                                                                                                                            \dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\dots:\frac{\
> OUTLINE
                    > TIMELINE
```

Figure 16 index.php

```
D
     ∨ PRAKTIKUM 6
                                                           <?= $airplane2->fly(); ?> <br>
<?= $airplane2->land(); ?> <br</pre>
      💝 index.php
       m interface.php
                                                                   echo "Jadi, Butuh Bahan Bakar sebanyak " . $airplane2->calcFuelNeeds() . ' Liter'. '<br
                                                           <?= $superman2->land(); ?> <br/><br/>
       MQ3.php
                                                            <?= $superman2->takeOff(); ?> <br:</pre>
                                                           <?= $superman2->fly(); ?> <br>
<?= $superman2->leapBuilding(); ?> <br>

       m abstract.php
       😭 index.php
                                                           <?= $superman2->stopBullet(); ?> <br>
      027 Azkia Kamila PBO P06.docx
     > TIMELINE
                                                                                                                                Ln 52, Col 8 Spaces: 4 UTF-8 CRLF PHP R
```

Figure 17 index.php

```
★ File Edit Selection View Go Run Terminal Help
                                                                                                                abstract.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                                                                                              ... # abstract.php No3 X # No4.php
Ð
                                                                               private $load = 0;
protected $maxLoad = 0, $name;
           📅 index.php
                                                                                protected function __construct($maxLoad, $name) {
   $this->$maxLoad = $maxLoad;
   $this->$name = $name;
           m interface.php
                                                                                 public function getLoad() {
    return $this->load;
           m interface.php
           ₩ No3.php
                                                                                 public function getMaxLoad() {
  echo 'Maksimal muatan ' . $this->name . ' ';
  return $this->maxLoad;
           💏 abstract.php
                                                                                 public function addBox($weight) {
   if ($this->load >= $this->max.oad) {
      echo "$this->name menambah muatan sebesar $weight <br/>echo 'Muatan telah penuh tidak bisa menambah lagi';
          027_Azkia Kamila_PBO P06.docx
                                                                                        | echo "Batan telah penuh tidak bisa menambah lagi ,
| ese {
| $this->load += $weight;
| echo "$this->name menambah muatan sebesar $weight";
> OUTLINE > TIMELINE
```

Figure 18 abstract.php

```
D
     ∨ PRAKTIKUM 6
                                                abstract public function calcFuelNeeds();
                                               protected function calcFuelEfficiency() {
                                                   $range = 50000000;
$range /= $this->load;
return $range;
      💝 index.php
      m interface.php
                                               protected function calcTripDistance() {
                                                    return 500;
       MO3.php
       e abstract.php
       ndex.php
      ■ 027_Azkia Kamila_PBO P06.docx
> OUTLINE
     > TIMELINE
                                                                                                                                Ln 43, Col 2 Spaces: 4 UTF-8 CRLF PHP 후
```

Figure 19 abstract.php



<--- Azkia Kamila ; 21091397027 ; 2021A ---> <--- Azkia Kamila ; 21091397027 ; 2021A ---> <--- Azkia Kamila ; 21091397027 ; 2021A ---> <--- Azkia Kamila ; 21091397027 ; 2021A --->

PBO - Praktikum 6

Soal 3 Singa sedang makan Andi sedang makan Maksimal muatan Garuda Air 20000 kg Garuda Air menambah muatan sebesar 5000 kg Garuda Air menambah muatan sebesar 7000 kg Garuda Air menambah muatan sebesar 3000 kg Garuda Air menambah muatan sebesar 4000 kg Garuda Air lepas landas Garuda Air dalam perjalanan Garuda Air mendarat Jadi, Butuh Bahan Bakar sebanyak 6 Liter Superman sedang makan Superman melawan Batman Superman mengejar Batman Superman melancarkan pukulan Batman terpental menabrak bangunan pencakar langit Polisi menembaki Superman namun ditangkis

```
📢 File Edit Selection View Go Run Terminal Help
                                                                                                 No4.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                                                      ··· • No4.php X • interface.php • index.php
D
       ∨ PRAKTIKUM 6
                                                     No4 > 💝 No4.php
                                                        1 <--- Azkia Kamila ; 21091397027 ; 2021A --->
          m abstract.php
                                                       require_once '../No4/abstract.php'; require_once '../No4/interface.php';
                                                        8 class RiverBarge2 extends Vehicle implements Sailer {
9 public function _construct($maxLoad, $name) {
10 $this->maxLoad = $maxLoad;
11 $this->name = $name;
         M No2.php
          em abstract.php
          🐄 index.php
                                                                  public function calcFuelNeeds() {
    $fuel = $this->calcFuelEfficiency();
    $trip = $this->calcTripDistance();
         m abstract.php
         m interface.php
                                                                   public function dock() {
   return $this->name . ' berada di dermaga';
}
        public function cruise() {
   return $this->name . ' sedang berlayar';
}
                                                                  public function takeOff() {
    return 'Pesawat lepas landas';
> OUTLINE
       > TIMELINE
                                                                                                                                                                                  Ln 103, Col 49 Spaces: 4 UTF-8 CRLF PHP R Q
```

Figure 20 No4.php

```
No4.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                         Ф
      ∨ PRAKTIKUM 6
        m abstract.php
        m index.php
                                                         public function fly() {
   return 'Pesawat dalam perjalanan';
                                                    * abstract.php
        😭 index.php
                                                              $this->name = $name;
                                                         public function calcFuelNeeds() {
    $fuel = $this->calcFuelEfficiency();
    $trip = $this->calcTripDistance();
        m interface.php
       -$7 Azkia Kamila PBO P06.docx
                                                         public function dock() {
   return $this->name . ' berada di dermaga';
}

    ~WRL0104.tmp

       027_Azkia Kamila_PBO P06.docx
                                                         public function cruise() {
    return $this->name . ' sedang berlayar';
}
S > OUTLINE
                                                          public function takeOff() {
    return $this->name . ' lepas landas';
      > TIMELINE
                                                                                                                                                       Ln 103, Col 49 Spaces: 4 UTF-8 CRLF PHP & Q
```

Figure 21 No4.php

```
★ File Edit Selection View Go Run Terminal Help
                                                                                              No4.php - Praktikum 6 - Visual Studio Code
                                                                                                                                                                                                  ... Ro4.php X R interface.php R index.php R abstract.php
Ð
                                                               public function land() {
          return $this->name . ' mendarat';
}
         📅 index.php
                                                                public function fly() {
    return $this->name . ' dalam perjalanan';
}
         m interface.php
                                                            class Helicopter extends Vehicle {
  public function __construct(fmaxLoad, fname) {
     $this->maxLoad = fmaxLoad;
     $this->name = fname;
         m interface.php

♥ No3.php

         * abstract.php
                                                                 public function calcFuelNeeds() {
    $fuel = $this->calcFuelEfficiency();
    $trip = $this->calcTripDistance();
        ■ 027 Azkia Kamila PBO P06.docx
                                                                      return ceil($fuel /= $trip):
                                                                  public function takeOff() {
    return $this->name . ' lepas landas';
}
                                                                  public function land() {
   return $this->name . ' mendarat';
> OUTLINE
> TIMELINE
```

Figure 22 No4.php

```
... * No4.php X * interface.php
D
      ∨ PRAKTIKUM 6
                                                           public function takeOff() {
    return $this->name . ' lepas landas';
}
        💝 index.php
                                                          public function land() {
    return $this->name . ' mendarat';
}
        m interface.php
                                                           public function fly() {
    return $this->name . ' dalam perjalanan';
}
        eda.cov
                                                        $riverBarge2 = new RiverBarge2(30000, 'Atomic');
        e abstract.php
                                                102  $seaPlane = new SeaPlane(20000, 'Titanic');
103  $helicopter = new Helicopter(10000, 'Brocklyn');
        💝 index.php
          ~WRL0104.tmp
       ■ 027 Azkia Kamila PBO P06.docx
> OUTLINE
> TIMELINE
                                                                                                                                                                Ln 103, Col 49 Spaces: 4 UTF-8 CRLF PHP 👨
```

Figure 23 No4.php

Figure 24 interface.php

```
··· * index.php X * abstract.php
D

→ PRAKTIKUM 6

                               <--- Azkia Kamila ; 21091397027 ; 2021A --->
                               <!DOCTYPE html>
<html lang="en">
    💝 index.php
    m interface.php
                                 MQ.EoN 🐡
    e abstract.php
                                 m index.php
     m interface.php
    No4.php
                                  ■ 027 Azkia Kamila PBO P06.docx
                                          <?= $riverBarge2->dock(); ?> <br>
<?= $riverBarge2->cruise(); ?> <br>

                                          <?php echo "Jadi, Butuh Bahan Bakar sebanyak " . $riverBarge2->calcFuelNeeds() . 'Liter'. 'd
> OUTLINE
   > TIMELINE
```

Figure 25 index.php

```
▼ File Edit Selection View Go Run Terminal Help
                                                           index.php - Praktikum 6 - Visual Studio Code
                                                                                                                         ... * index.php X * abstract.php
Ð
                                         ₩ No1.php
     💝 index.php
      m interface.php
                                                   <?= $seaPlane->fly(); ?> <br>
<?= $seaPlane->land(); ?> <br/>

                                                         echo "Jadi, Butuh Bahan Bakar sebanyak " . $seaPlane->calcFuelNeeds() . ' Liter'. '<br>
      m interface.php
      M No3.php
                                         * abstract.php
      enterface.php
                                                         echo "Jadi, Butuh Bahan Bakar sebanyak " . $helicopter->calcFuelNeeds() . ' Liter'. '<br
     027 Azkia Kamila PBO P06.docx
> OUTLINE
    > TIMELINE
```

Figure 26 index.php

```
* abstract.php X
D
       ∨ PRAKTIKUM 6
                                                         <--- Azkia Kamila ; 21091397027 ; 2021A --->
                                                             private $load = 0;
                                                               protected $maxLoad = 0, $name;
        💝 index.php
         m interface.php
                                                              protected function __construct($maxLoad, $name) {
    $this->$maxLoad;
                                                                    $this->$name = $name:
                                                              public function getLoad() {
         MQ.EoN 🐡
                                                                    return $this->load:
         m abstract.php
                                                              public function getMaxLoad() {
   echo 'Maksimal muatan ' . $this->name . ' ';
   return $this->maxLoad;
         🐄 index.php
                                                               public function addBox($weight) {
        ■ 027 Azkia Kamila PBO P06.docx
                                                                        echo "$this->name menambah muatan sebesar $weight <br>";
echo 'Muatan telah penuh tidak bisa menambah lagi';
                                                                   }else {
    $this->load += $weight;
    echo "$this->name menambah muatan sebesar $weight";
      > OUTLINE
       > TIMELINE
                                                                                                                                                                       Ln 44, Col 2 Spaces: 4 UTF-8 CRLF PHP 👨
```

Figure 27 abstract.php

Figure 28 abstract.php



<--- Azkia Kamila ; 21091397027 ; 2021A ---> <--- Azkia Kamila ; 21091397027 ; 2021A ---> <--- Azkia Kamila ; 21091397027 ; 2021A ---> <--- Azkia Kamila ; 21091397027 ; 2021A --->

PBO - Praktikum 6 Soal 4

Maksimal muatan Atomic 30000 kg	Maksimal muatan Titanic 20000 kg	Maksimal muatan Brocklyn 10000 kg
Atomic menambah muatan sebesar 12000 kg	Titanic menambah muatan sebesar 12000 kg	Brocklyn menambah muatan sebesar 8000 kg
Atomic menambah muatan sebesar 14000 kg	Titanic menambah muatan sebesar 8000 kg	Brocklyn menambah muatan sebesar 2000 kg
Atomic menambah muatan sebesar 1000 kg	Titanic berada di dermaga	Brocklyn lepas landas
Atomic menambah muatan sebesar 3000 kg	Titanic sedang berlayar	Brocklyn dalam perjalanan
Atomic berada di dermaga	Titanic lepas landas	Brocklyn mendarat
Atomic sedang berlayar	Titanic dalam perjalanan	Jadi, Butuh Bahan Bakar sebanyak 10 Liter
Jadi, Butuh Bahan Bakar sebanyak 4 Liter	Titanic mendarat	
	Jadi, Butuh Bahan Bakar sebanyak 5 Liter	