Laporan Pemrograman Berorientasi Objek

Praktikum 6

Disusun Oleh :

Nadia Alifiani Raissa Pansera (21091397014)

Program Studi D4 Manajemen Informatika

Fakultas Vokasi

Universitas Negeri Surabaya

2022

1. Source Code

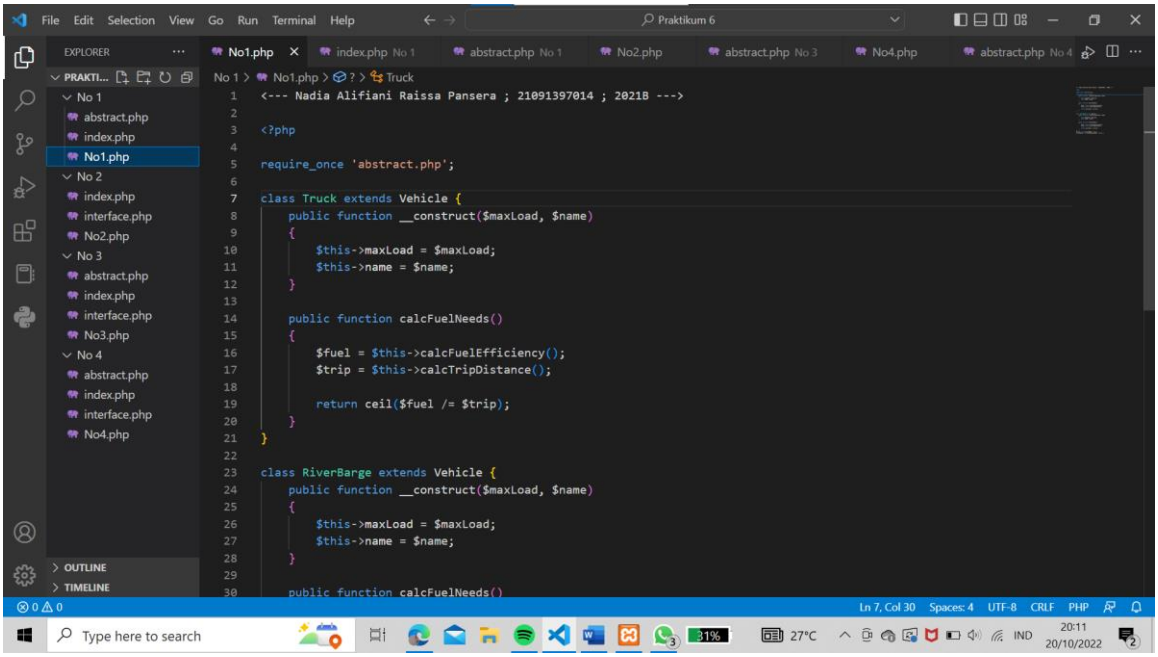


Figure 1 No1.php

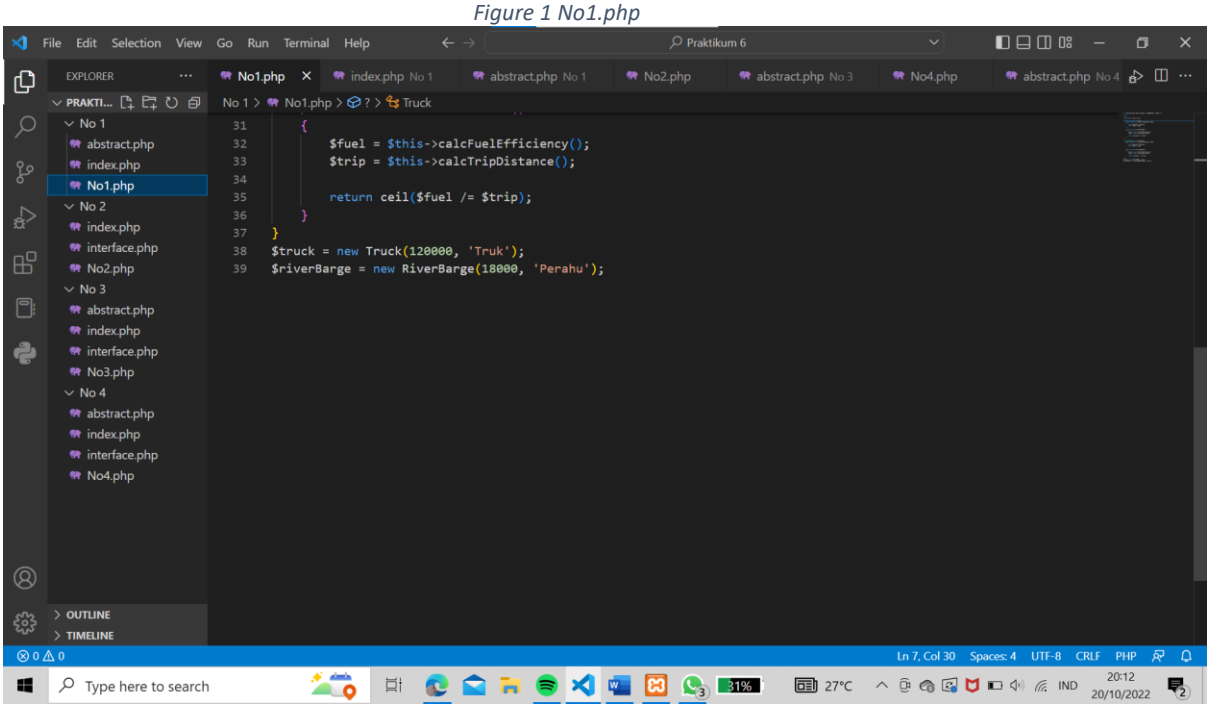


Figure 2 No1.php

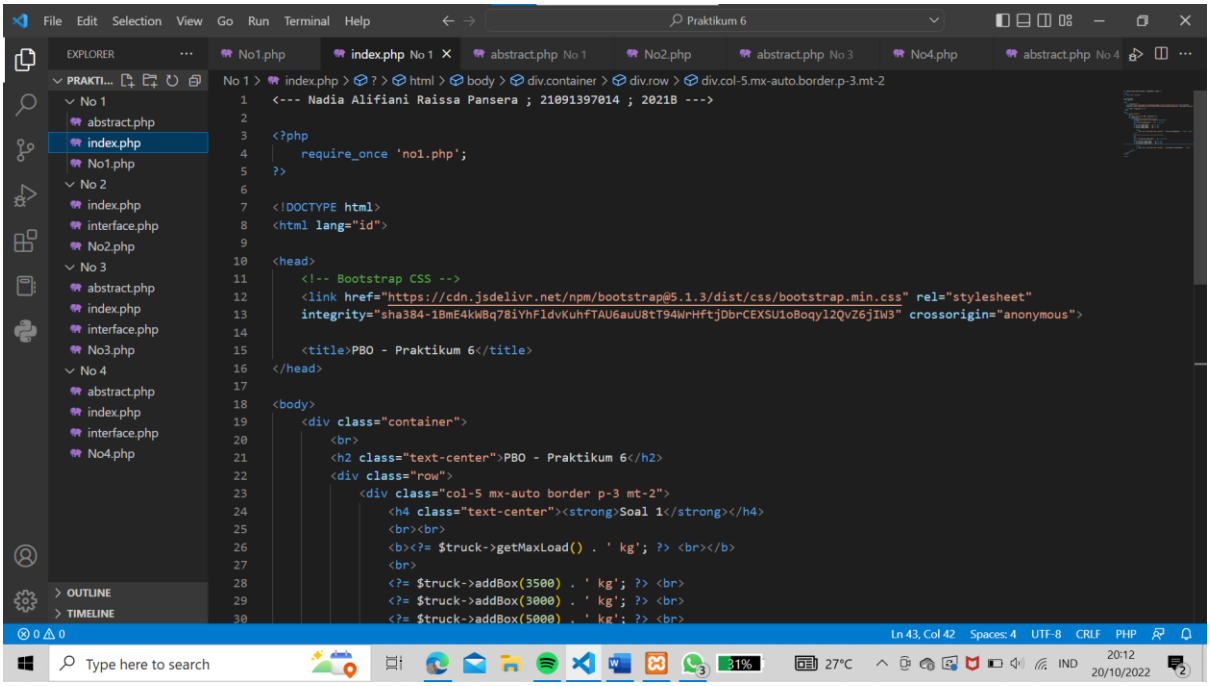


Figure 3 index.php

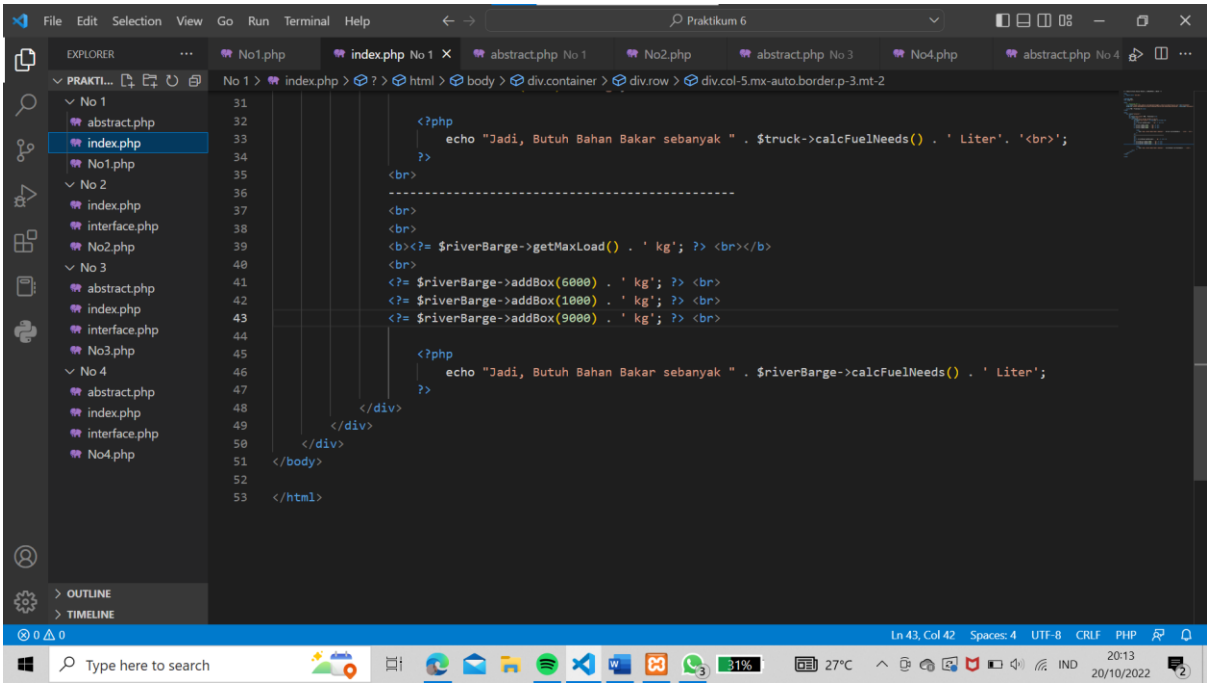


Figure 4 index.php

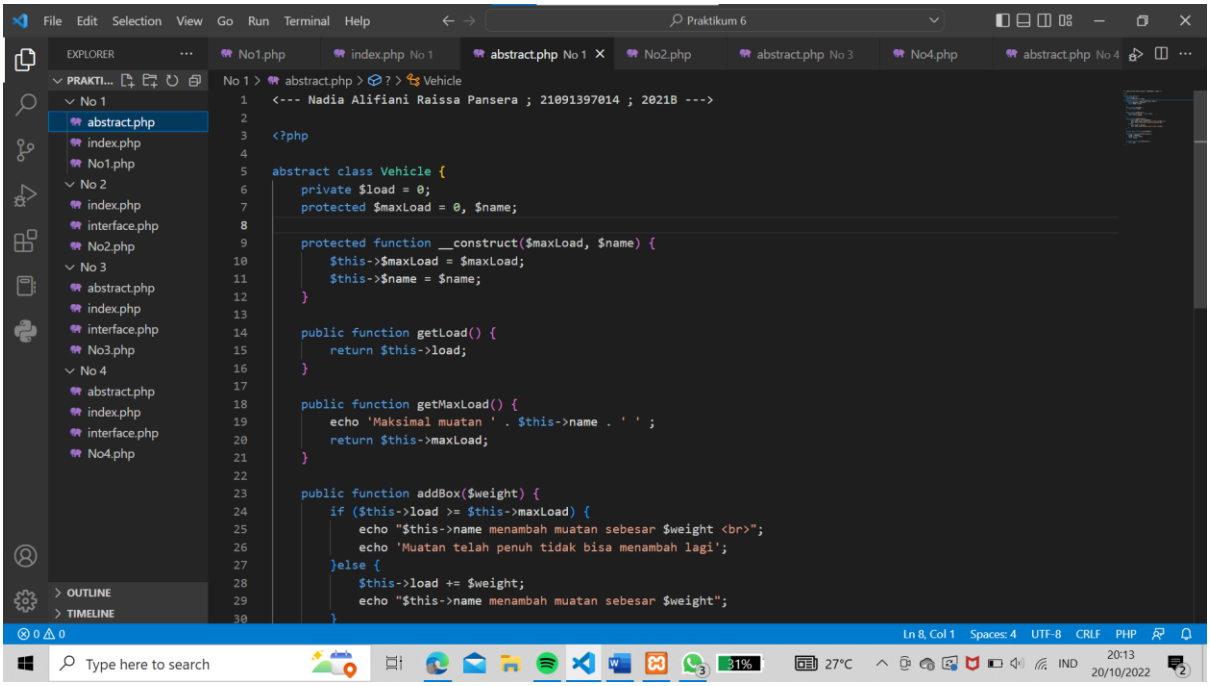


Figure 5 abstract.php

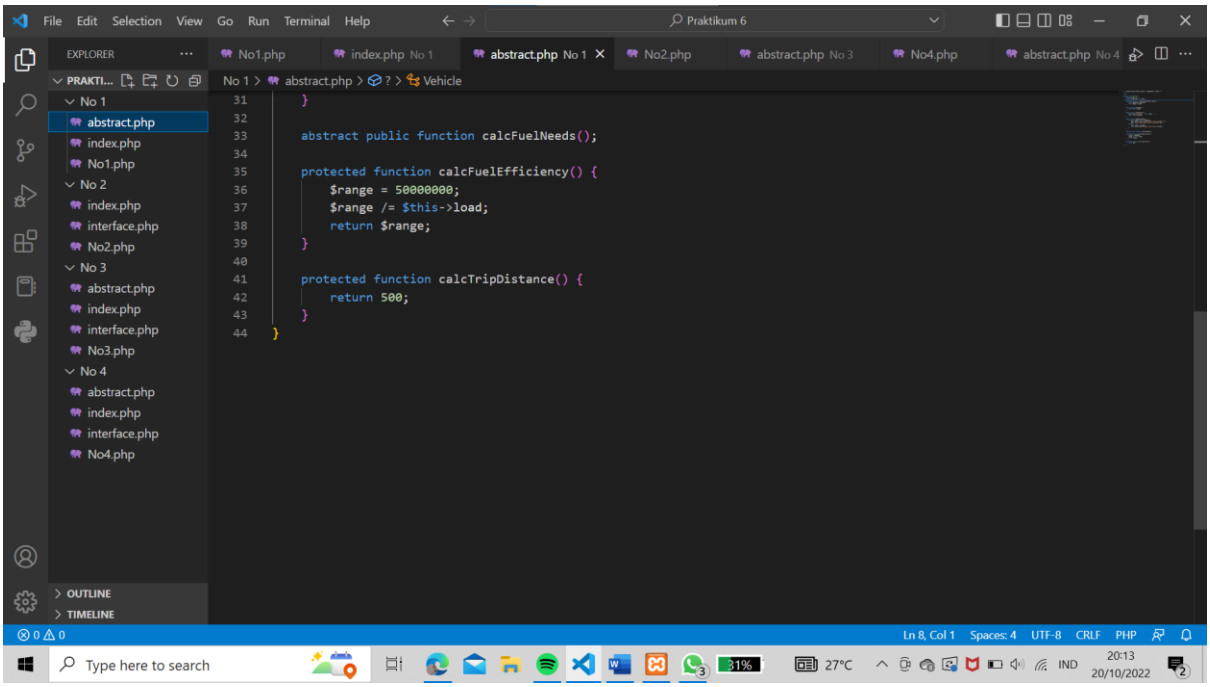
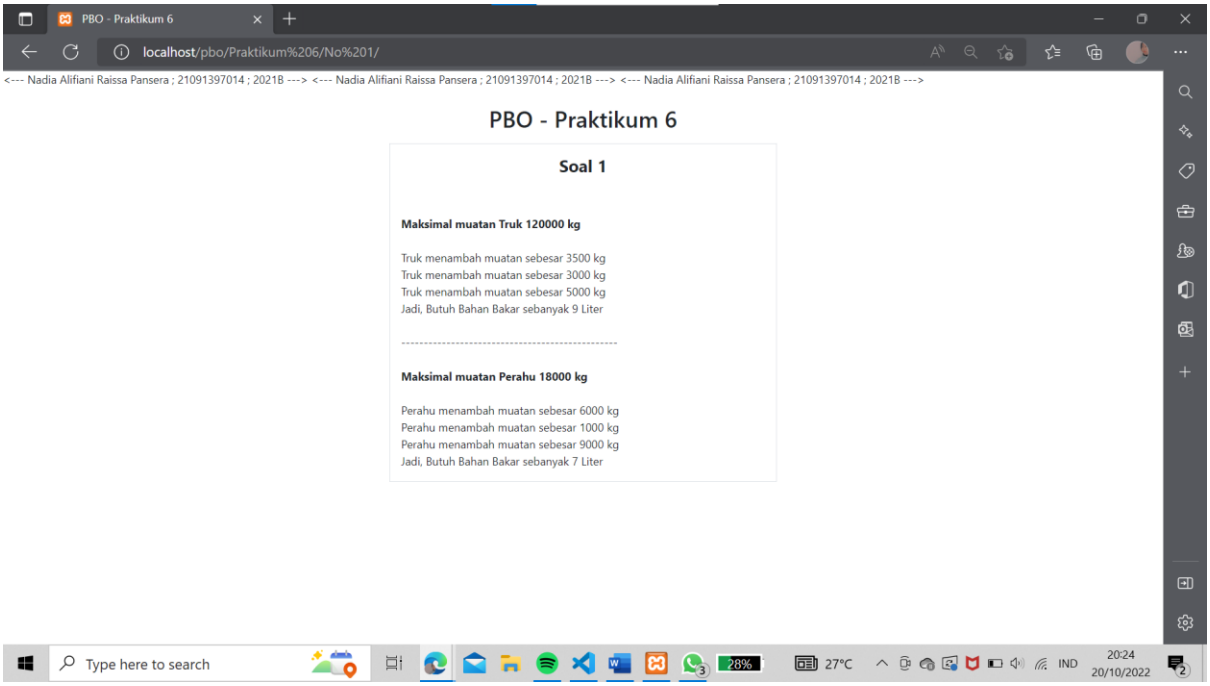
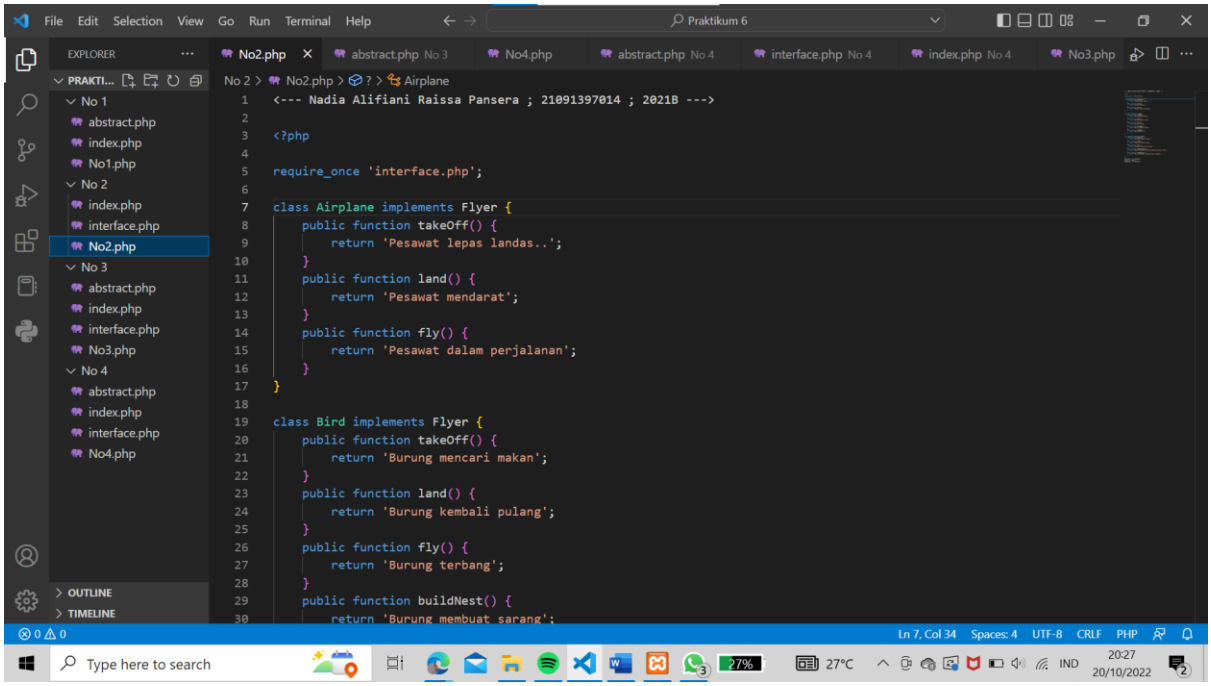


Figure 6 abstract.php

Output


PBO - Praktikum 6
localhost/pbo/Praktikum%206/No%201/
<--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B ---> <--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B ---> <--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B --->
PBO - Praktikum 6
Soal 1
Maksimal muatan Truk 120000 kg
Truk menambah muatan sebesar 3500 kg
Truk menambah muatan sebesar 3000 kg
Truk menambah muatan sebesar 5000 kg
Jadi, Butuh Bahan Bakar sebanyak 9 Liter
Maksimal muatan Perahu 18000 kg
Perahu menambah muatan sebesar 6000 kg
Perahu menambah muatan sebesar 1000 kg
Perahu menambah muatan sebesar 9000 kg
Jadi, Butuh Bahan Bakar sebanyak 7 Liter
Type here to search
28%
27°C
IND
20:24
20/10/2022

2. Source code



```php
<--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B --->

<?php

require_once 'interface.php';

class Airplane implements Flyer {
    public function takeOff() {
        return 'Pesawat lepas landas..';
    }
    public function land() {
        return 'Pesawat mendarat';
    }
    public function fly() {
        return 'Pesawat dalam perjalanan';
    }
}

class Bird implements Flyer {
    public function takeOff() {
        return 'Burung mencari makan';
    }
    public function land() {
        return 'Burung kembali pulang';
    }
    public function fly() {
        return 'Burung terbang';
    }
    public function buildNest() {
        return 'Burung membuat sarang';
    }
    public function layEggs() {
        return 'Burung bertelur';
    }
}

class Superman implements Flyer {
    public function takeOff() {
        return 'Superman mengejar Batman';
    }
    public function land() {
        return 'Superman melawan Batman';
    }
    public function fly() {
        return 'Superman melancarkan pukulan';
    }
    public function leapBuilding() {
        return 'Batman terpental menabrak bangunan pencakar langit';
    }
    public function stopBullet() {
        return 'Polisi menembaki superman namun ditangkis';
    }
}

$airplane = new Airplane;
$bird = new Bird;
$superman = new Superman;
```

Figure 7 No2.php

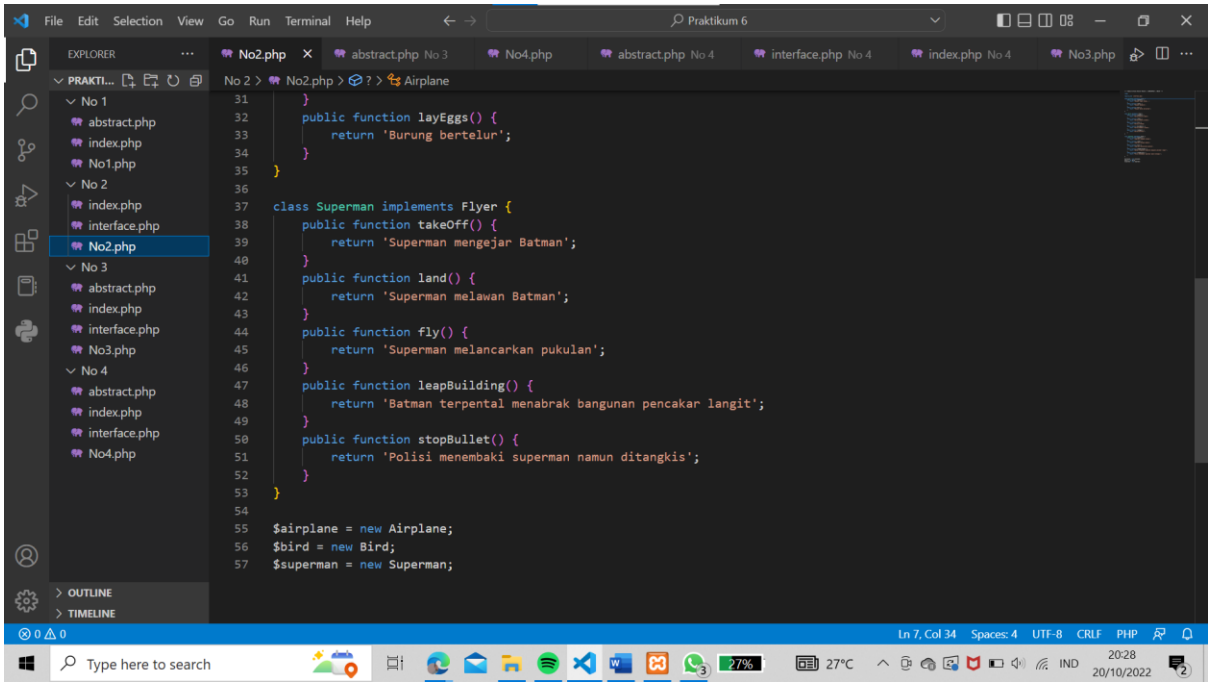


Figure 8 No2.php

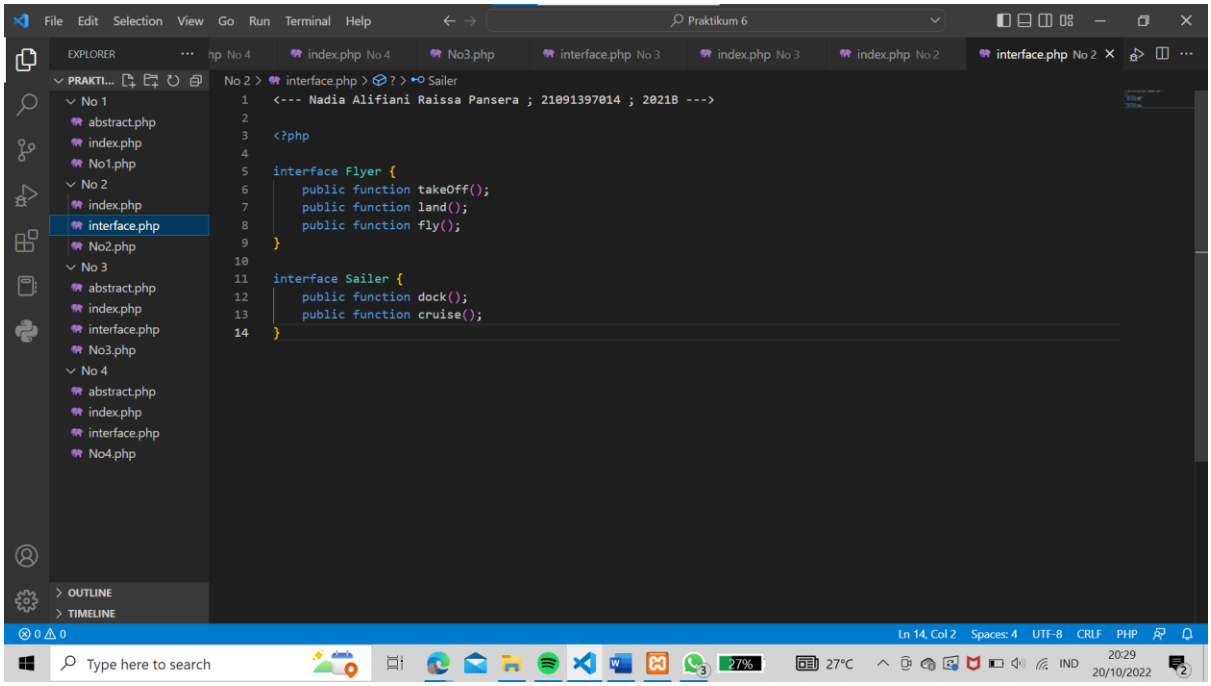


Figure 9 interface.php

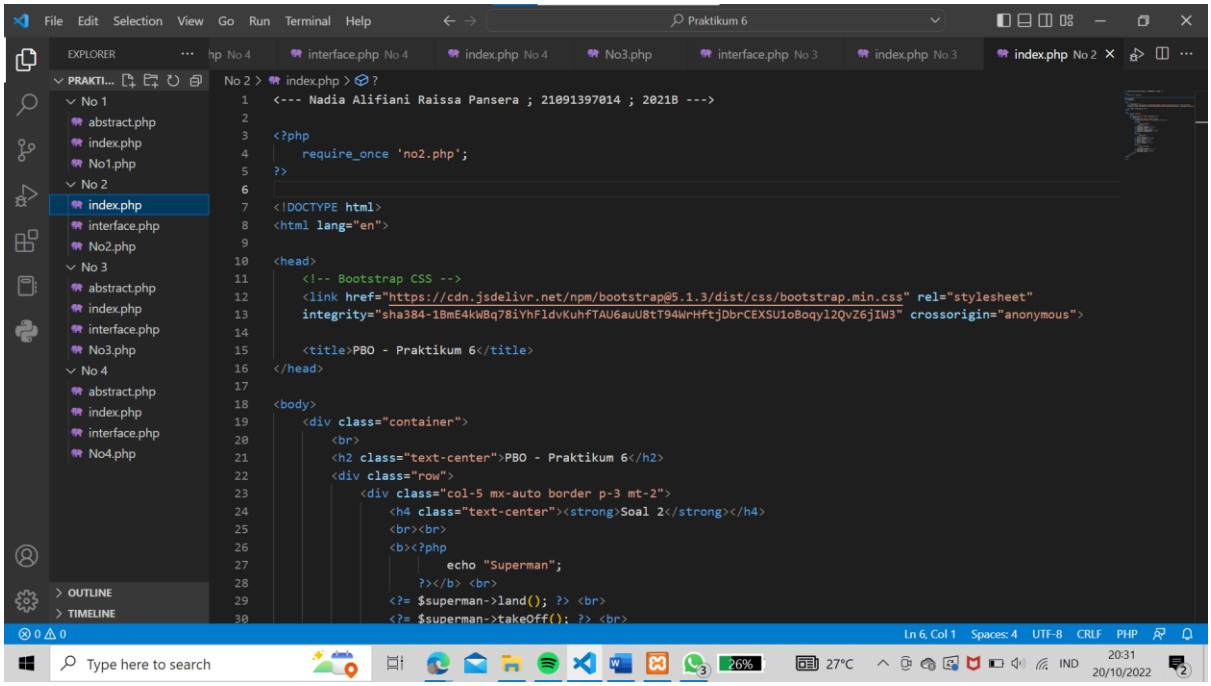


Figure 10 index.php

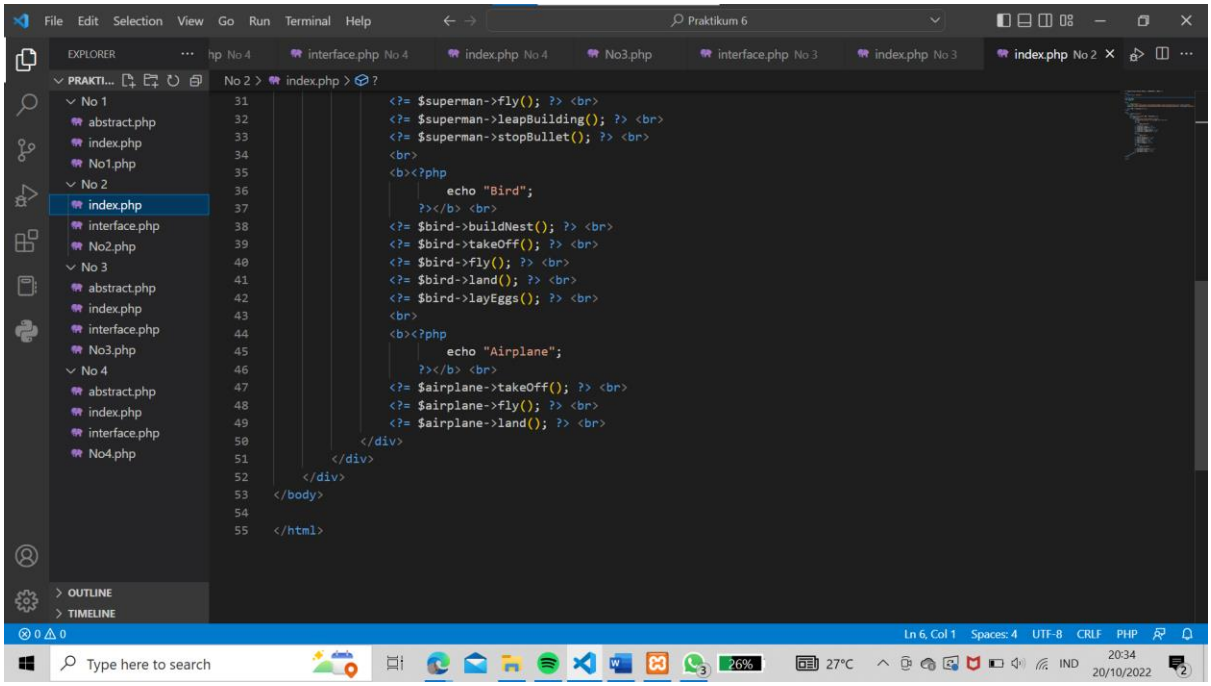
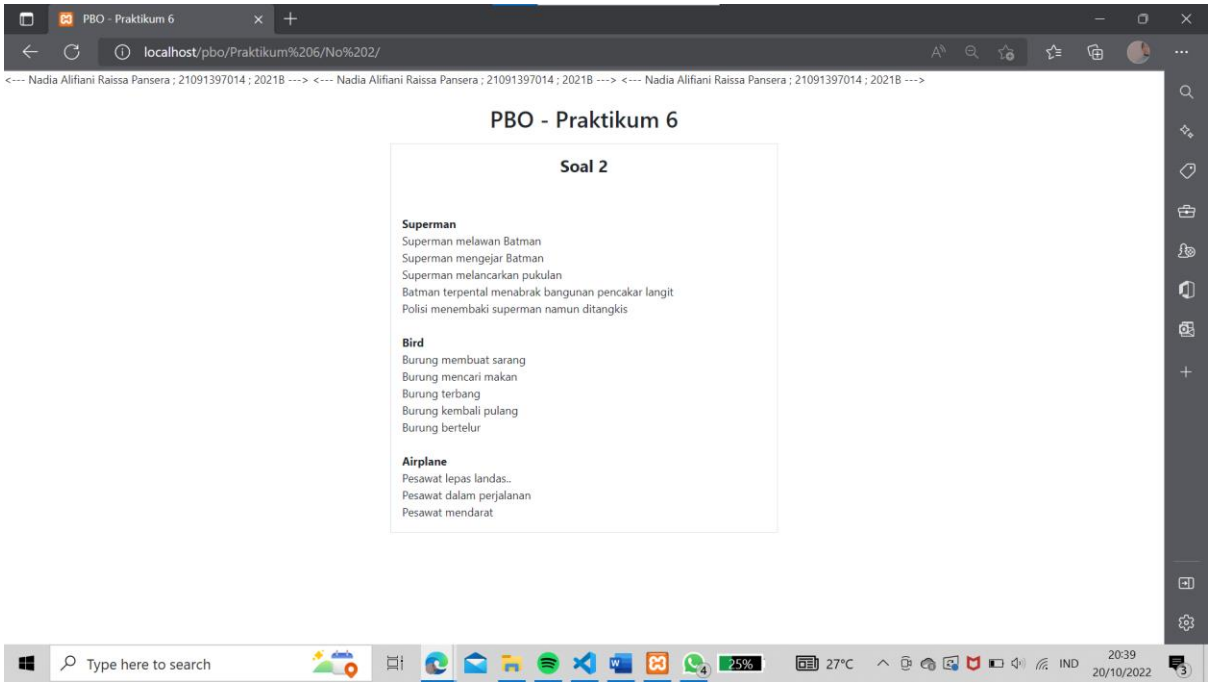
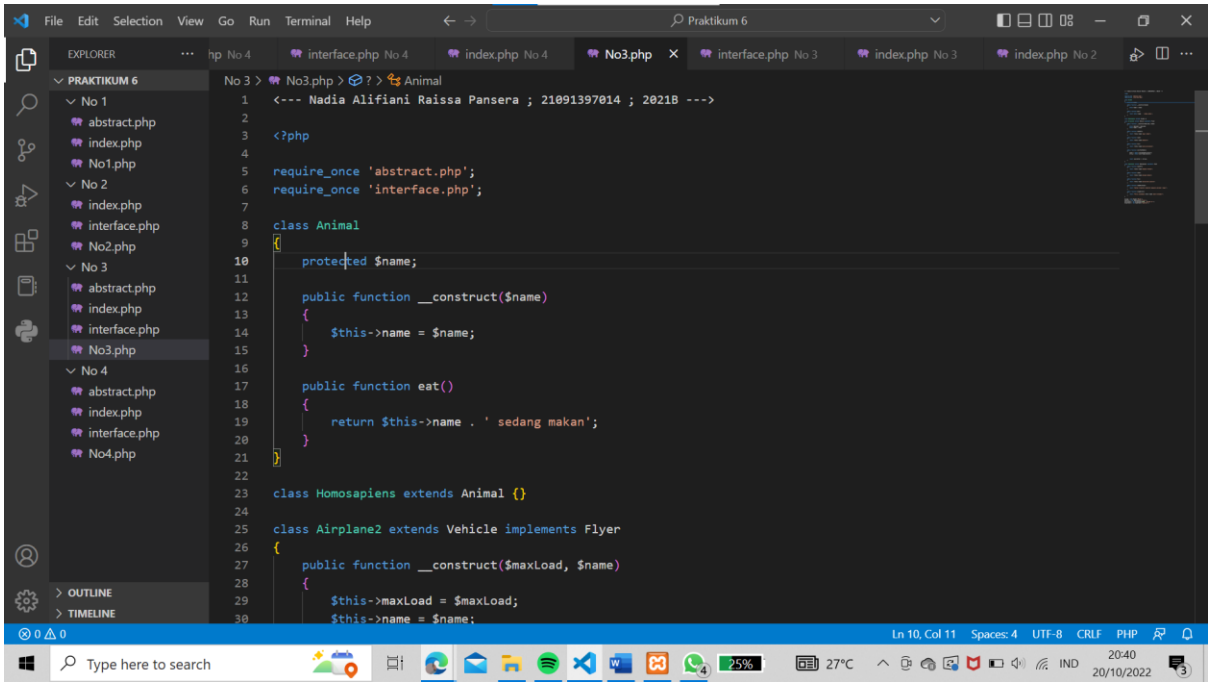


Figure 11 index.php

Output

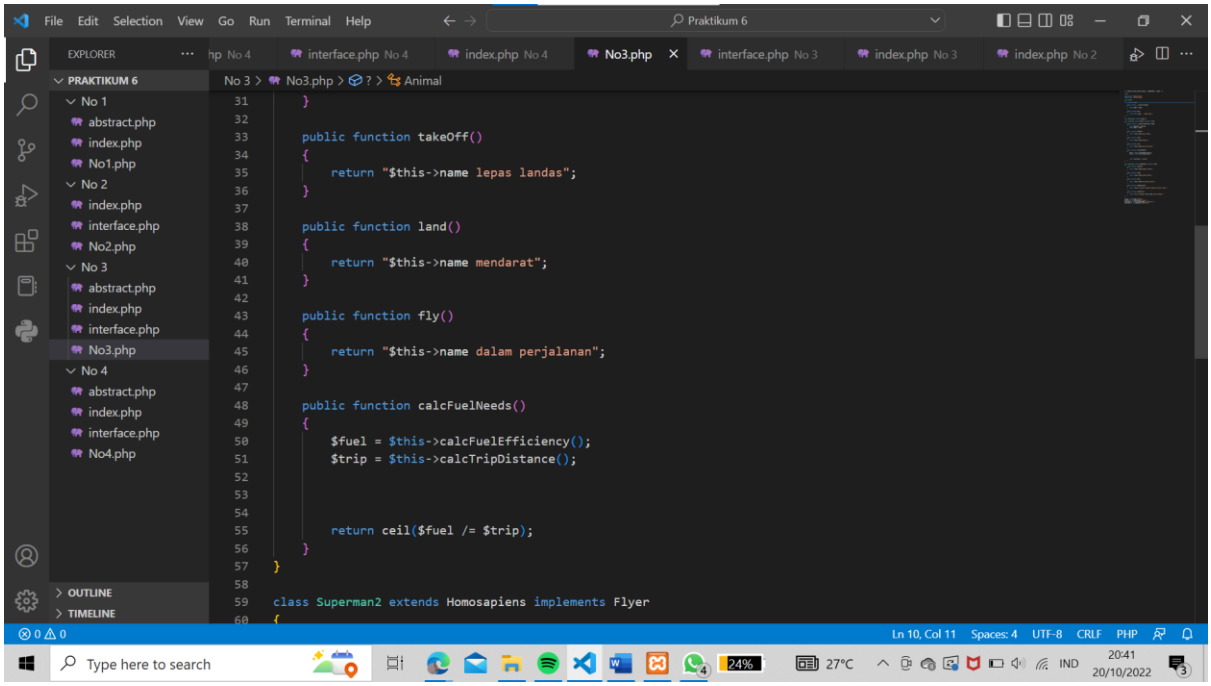


3. Source code



```
<--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B --->

<?php

require_once 'abstract.php';
require_once 'interface.php';

class Animal
{
    protected $name;

    public function __construct($name)
    {
        $this->name = $name;
    }

    public function eat()
    {
        return $this->name . ' sedang makan';
    }
}

class Homosapiens extends Animal {}

class Airplane2 extends Vehicle implements Flyer
{
    public function __construct($maxLoad, $name)
    {
        $this->maxLoad = $maxLoad;
        $this->name = $name;
```

Figure 12 No3.php



```
    }

    public function takeOff()
    {
        return "$this->name lepas landas";
    }

    public function land()
    {
        return "$this->name mendarat";
    }

    public function fly()
    {
        return "$this->name dalam perjalanan";
    }

    public function calcFuelNeeds()
    {
        $fuel = $this->calcFuelEfficiency();
        $trip = $this->calcTripDistance();



        return ceil($fuel /= $trip);
    }
}

class Superman2 extends Homosapiens implements Flyer
{
```

Figure 13 No3.php

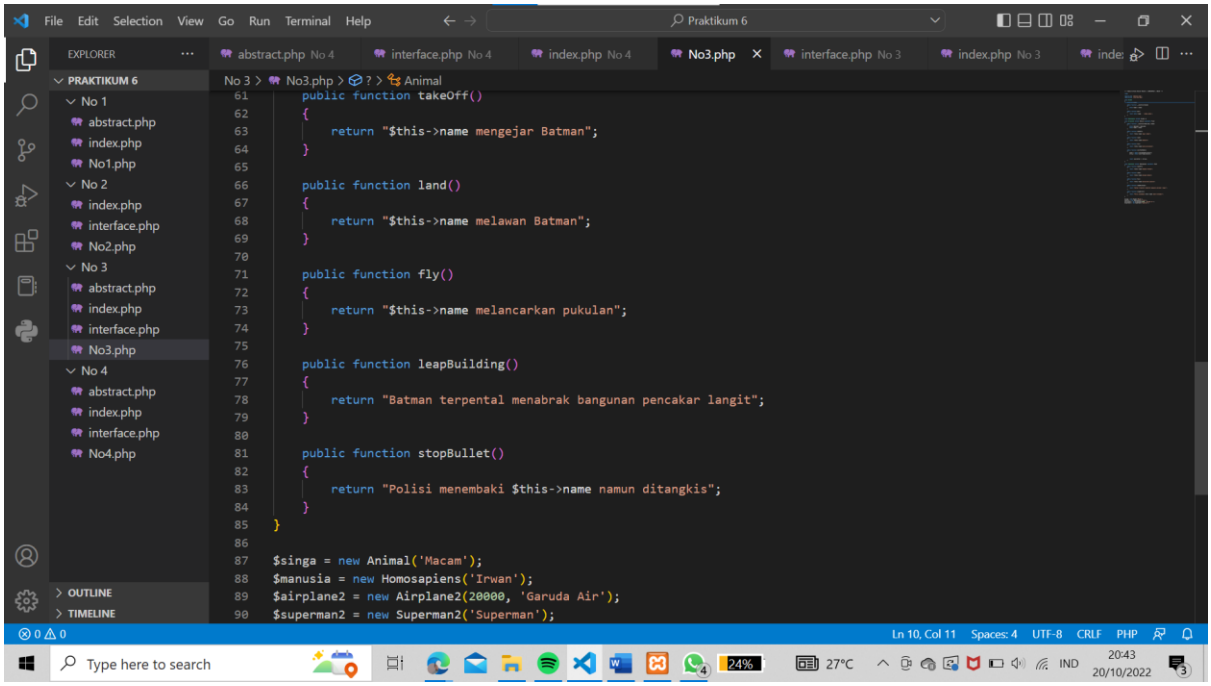


Figure 14 No3.php

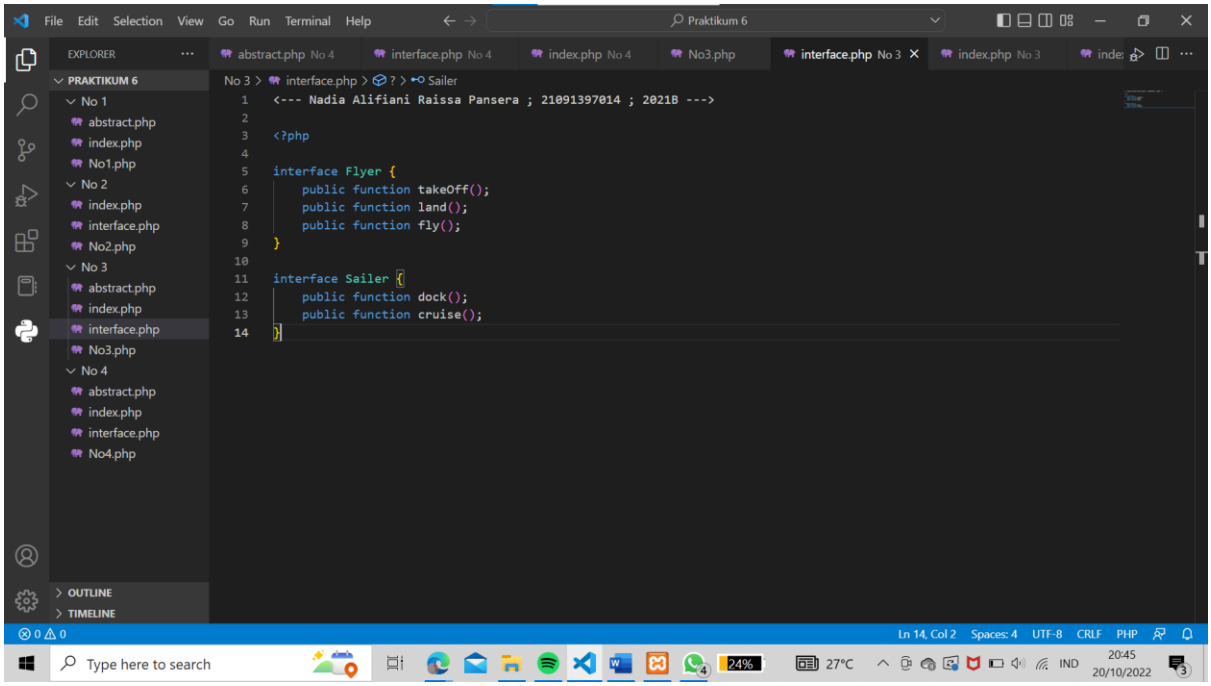


Figure 15 interface.php

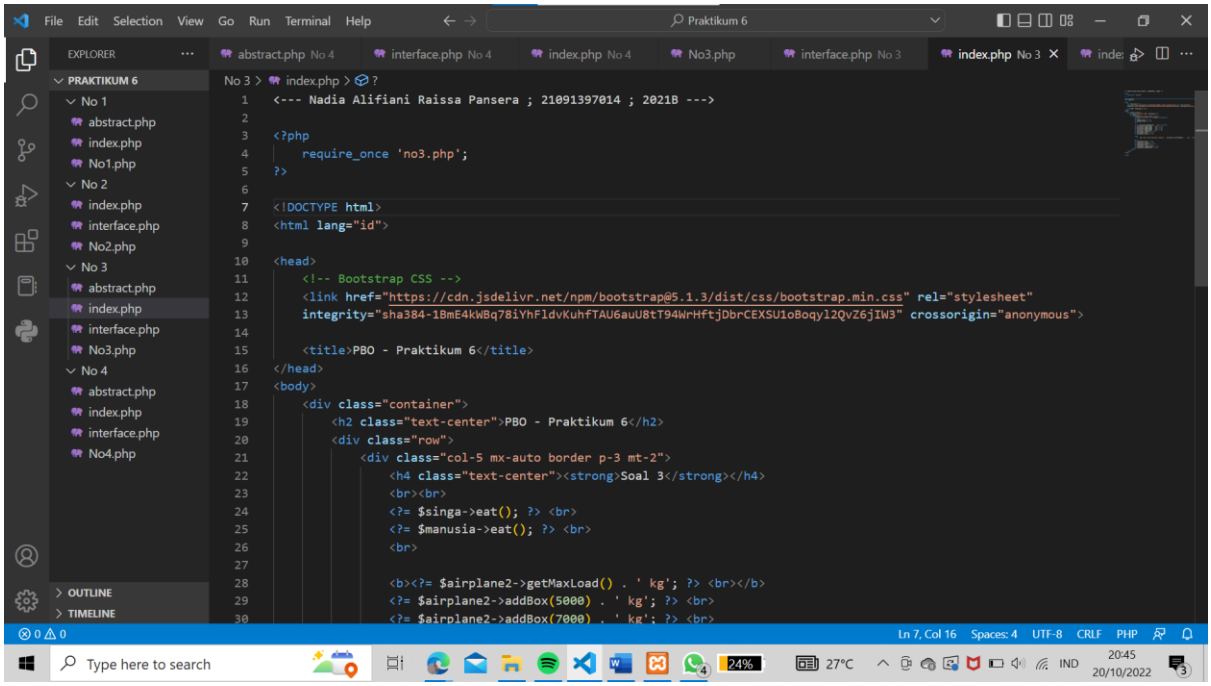


Figure 16 index.php

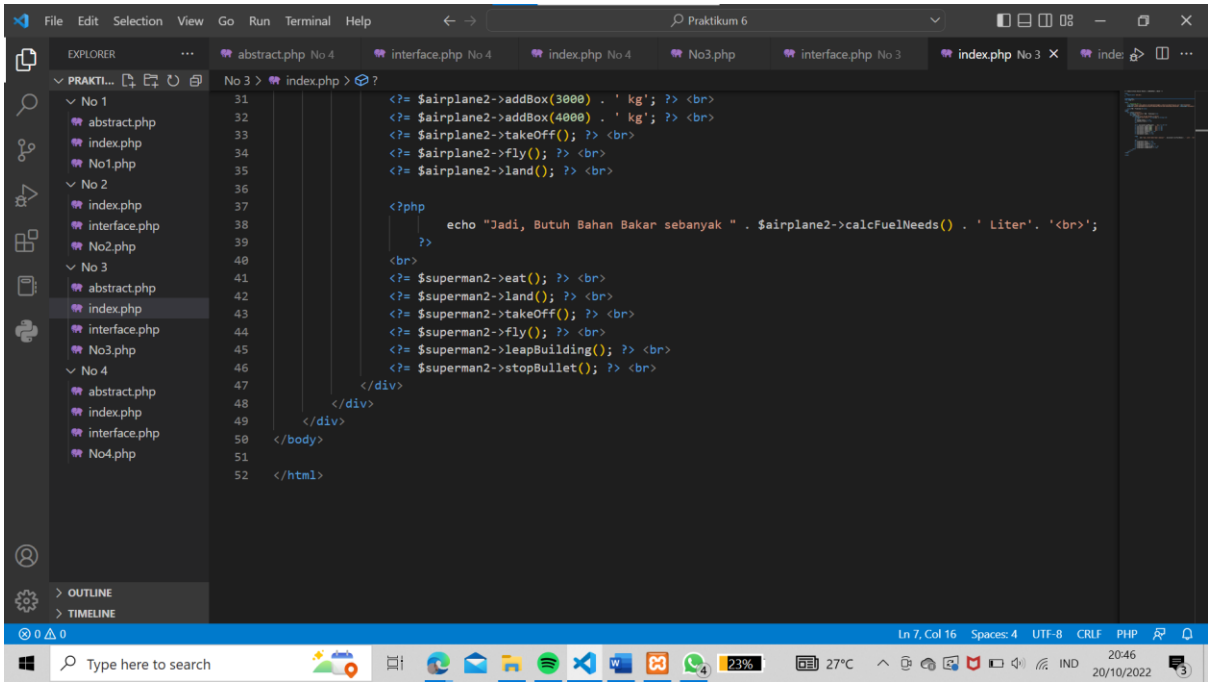


Figure 17 index.php

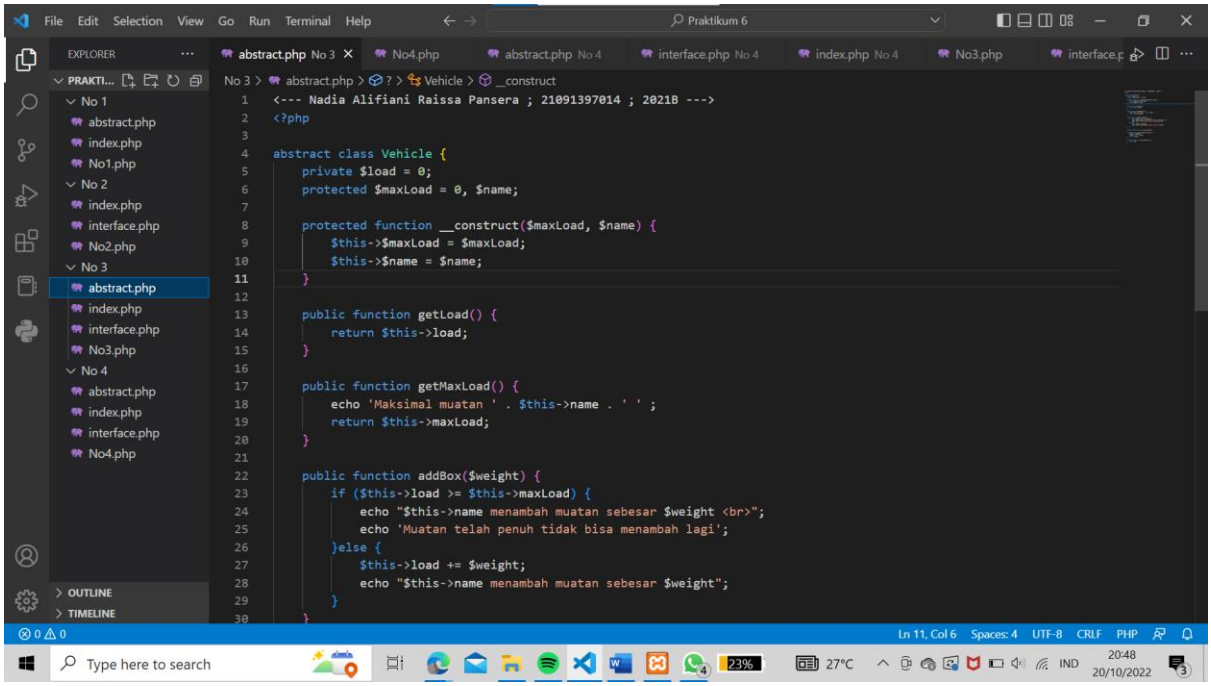


Figure 18 abstract.php

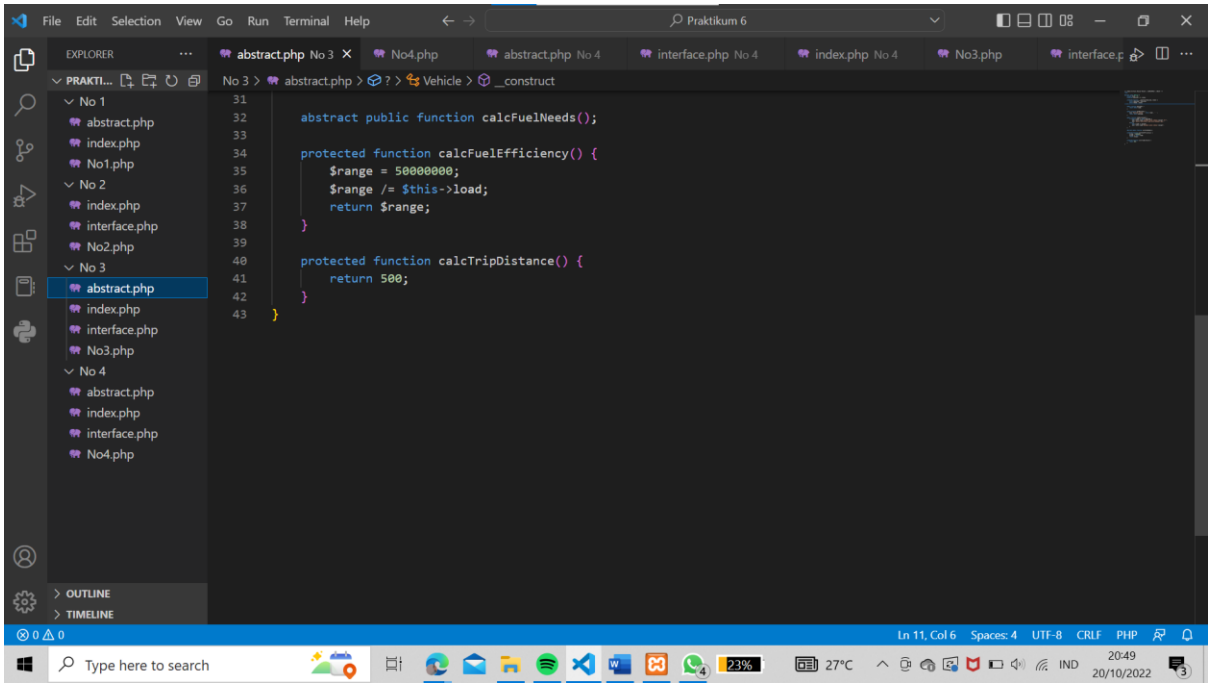
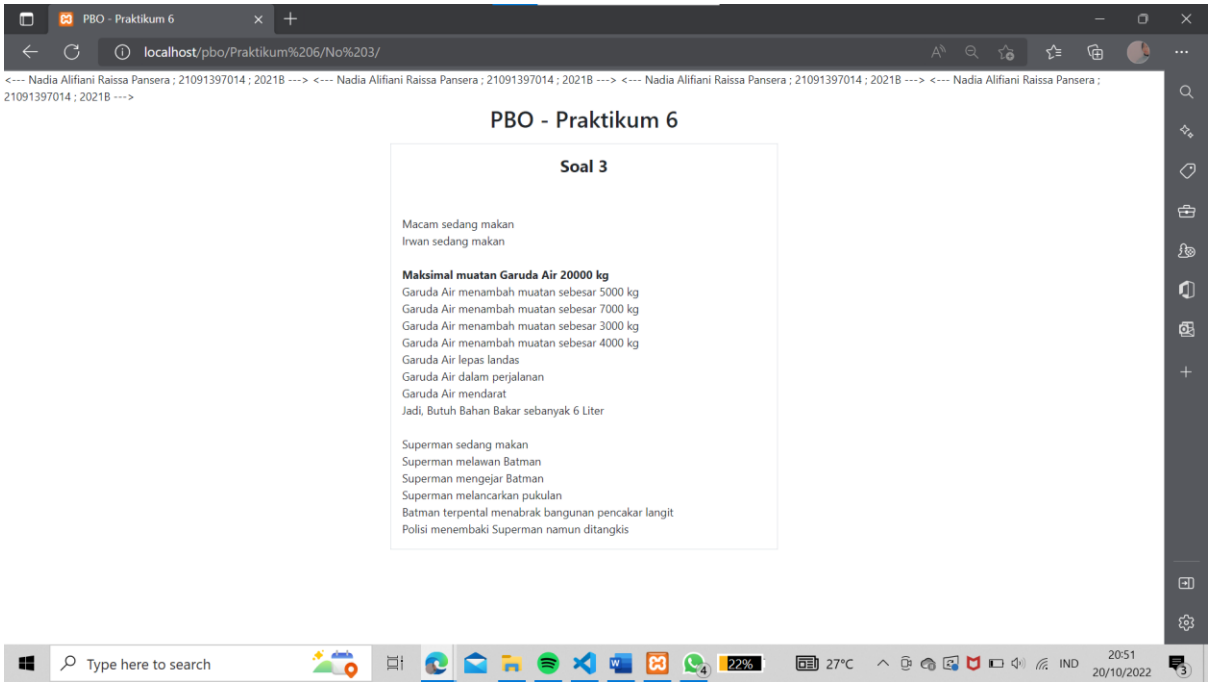


Figure 19 abstract.php

Output :



4. Source code

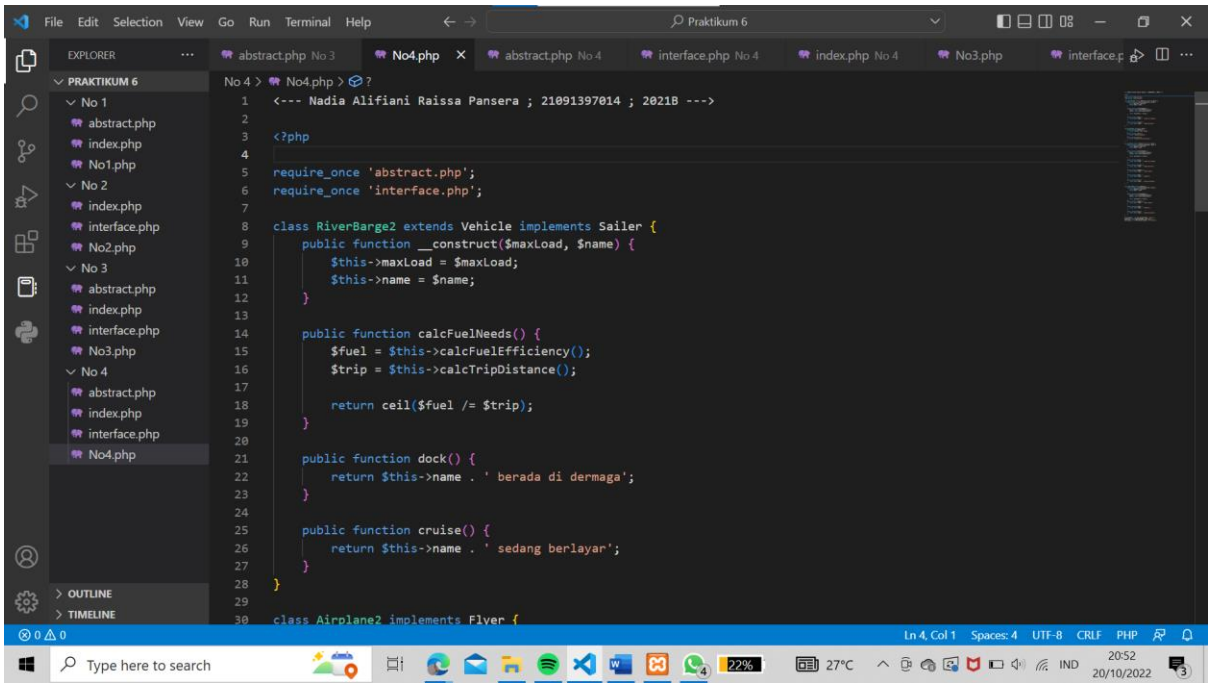


Figure 20 No4.php

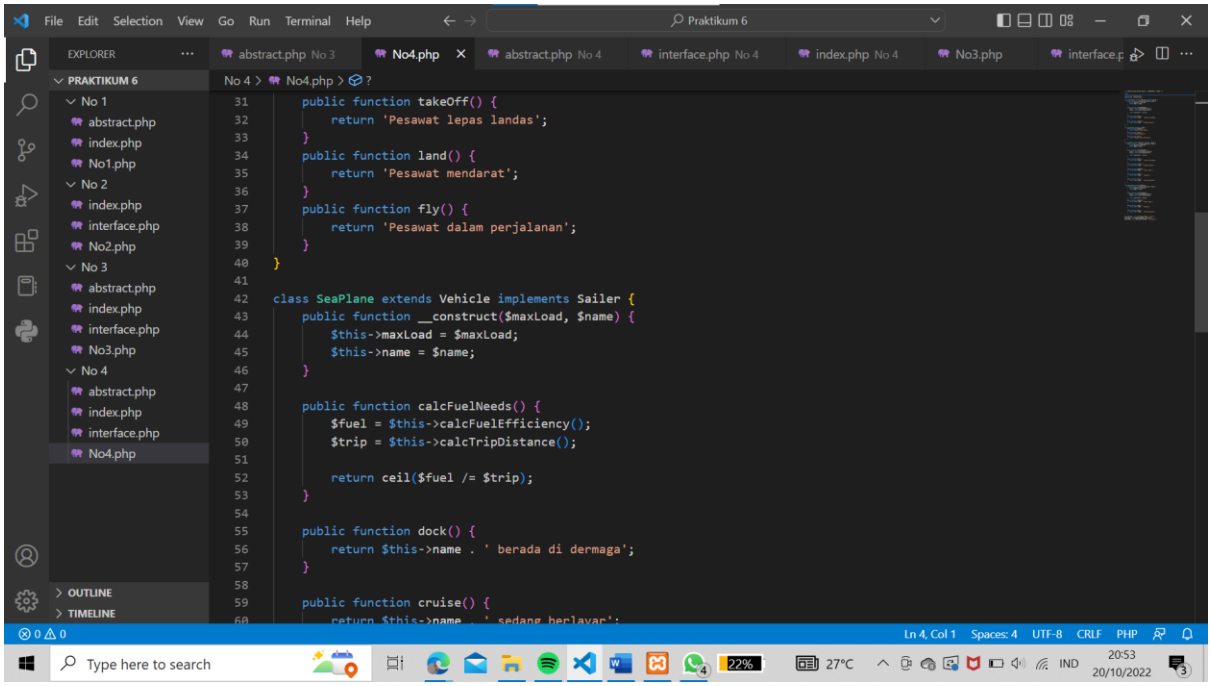


Figure 21 No4.php

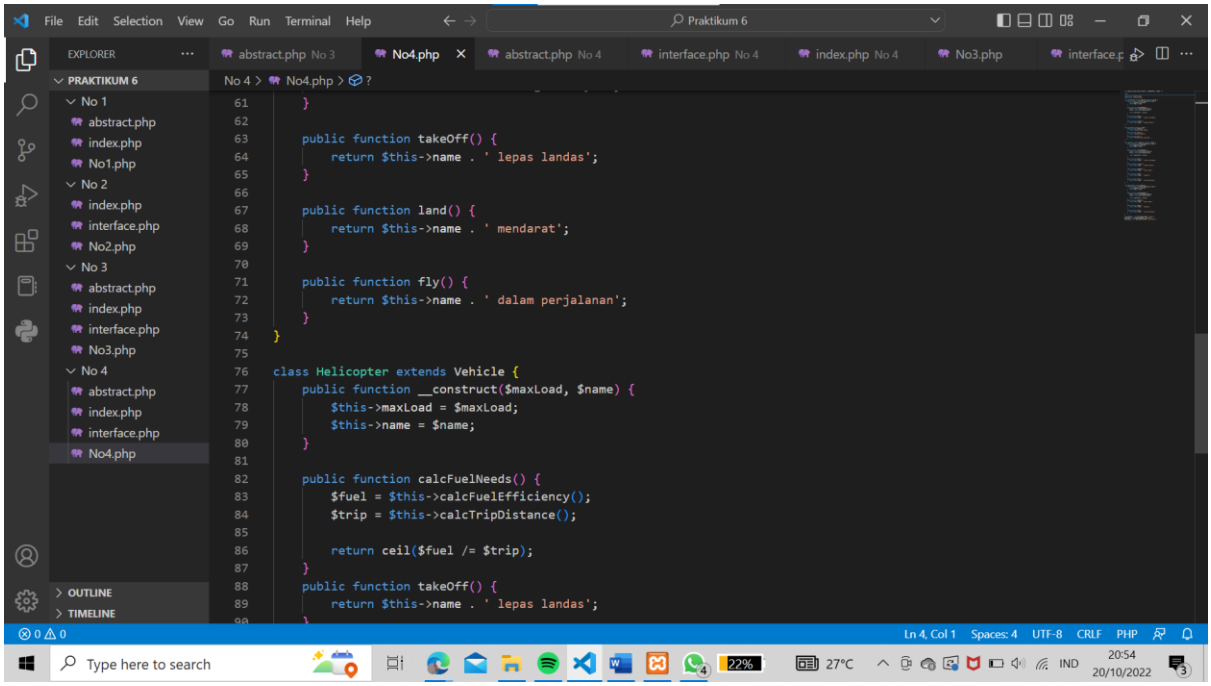


Figure 22 No4.php

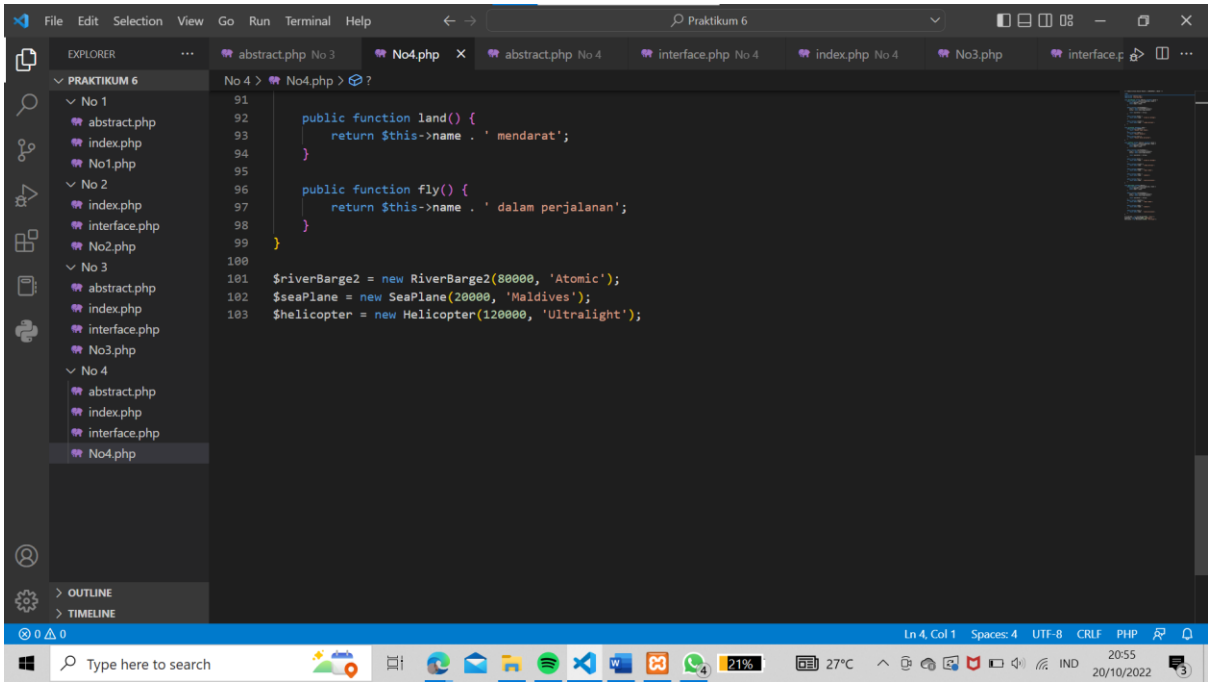


Figure 23 No4.php

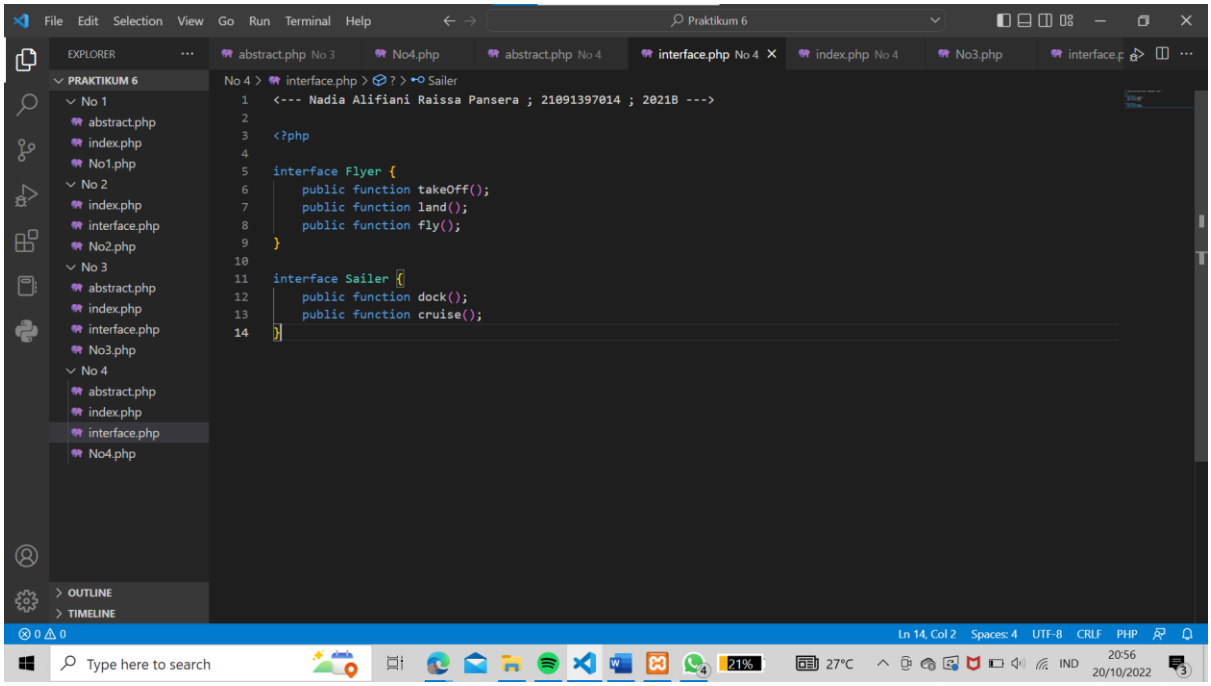


Figure 24 interface.php

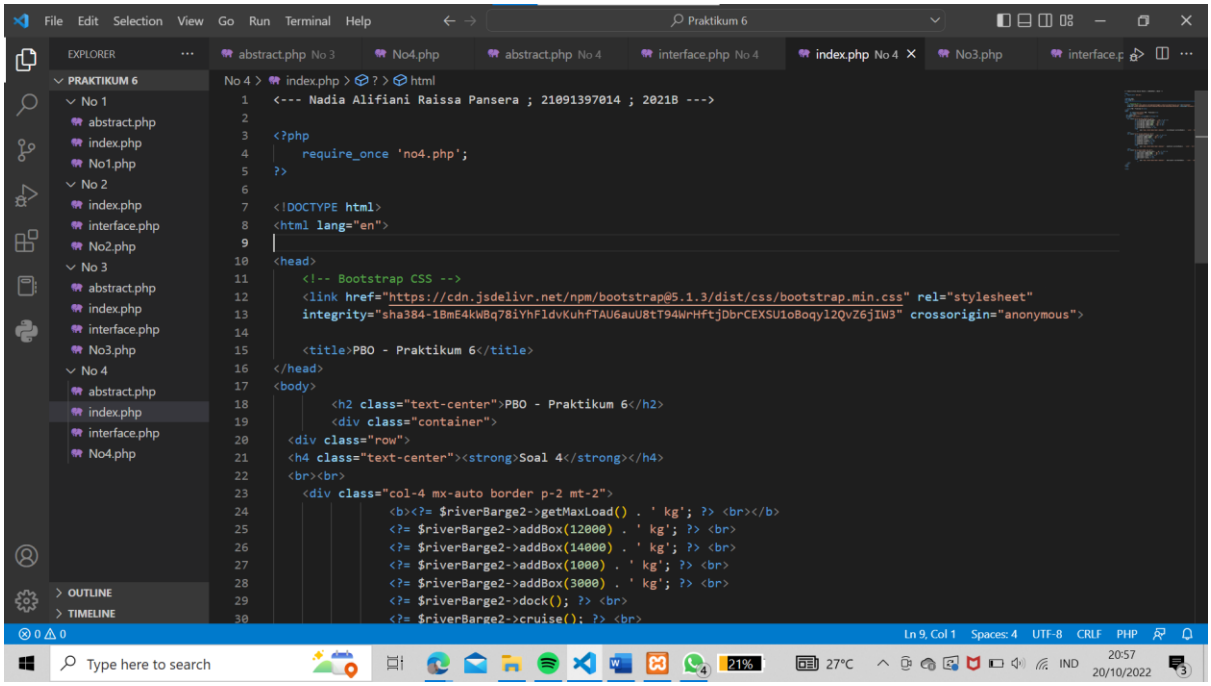


Figure 25 index.php

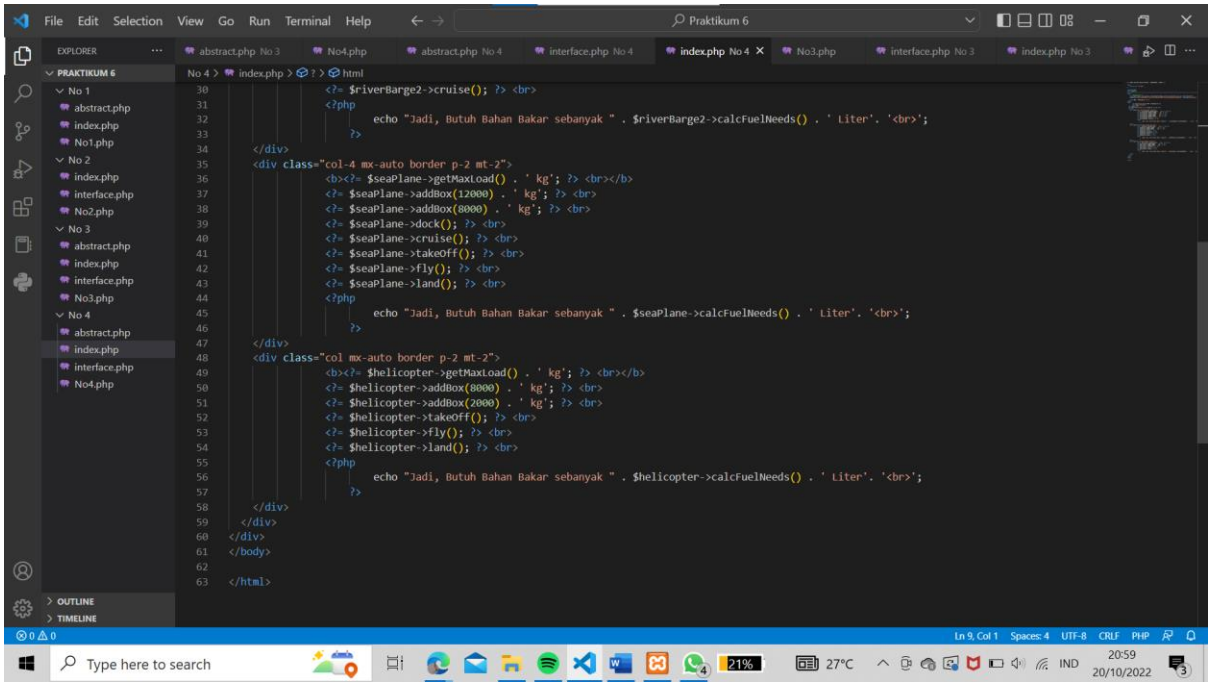


Figure 26 index.php

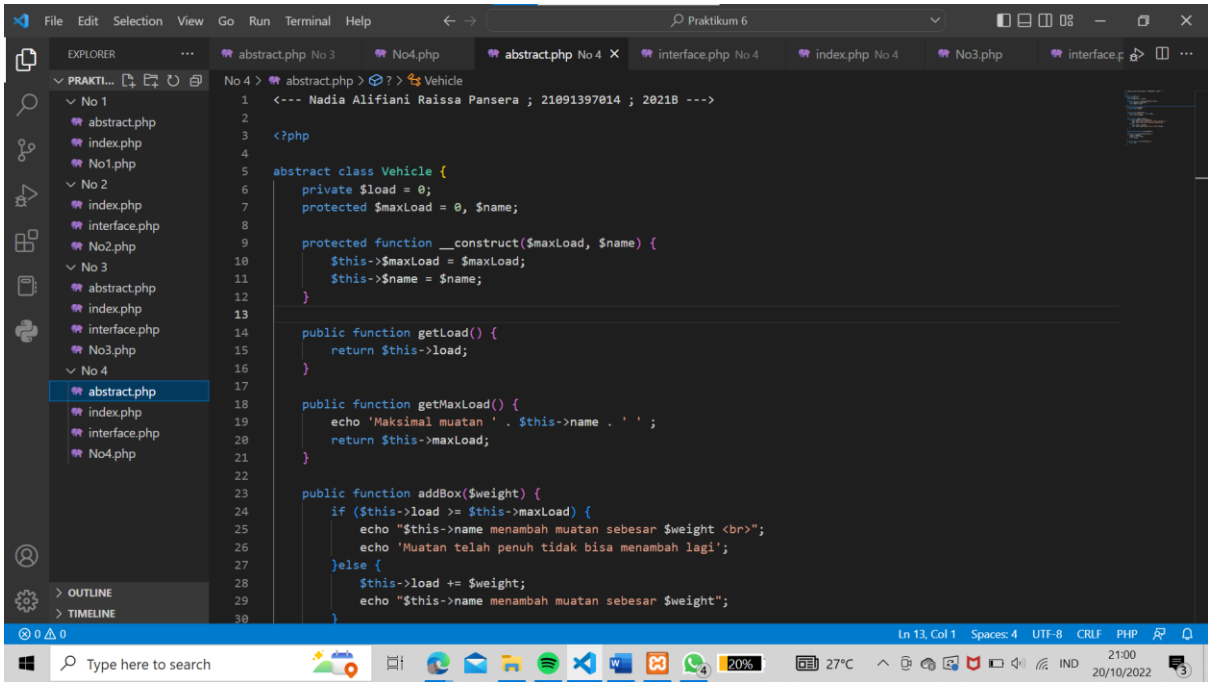


Figure 27 abstract.php

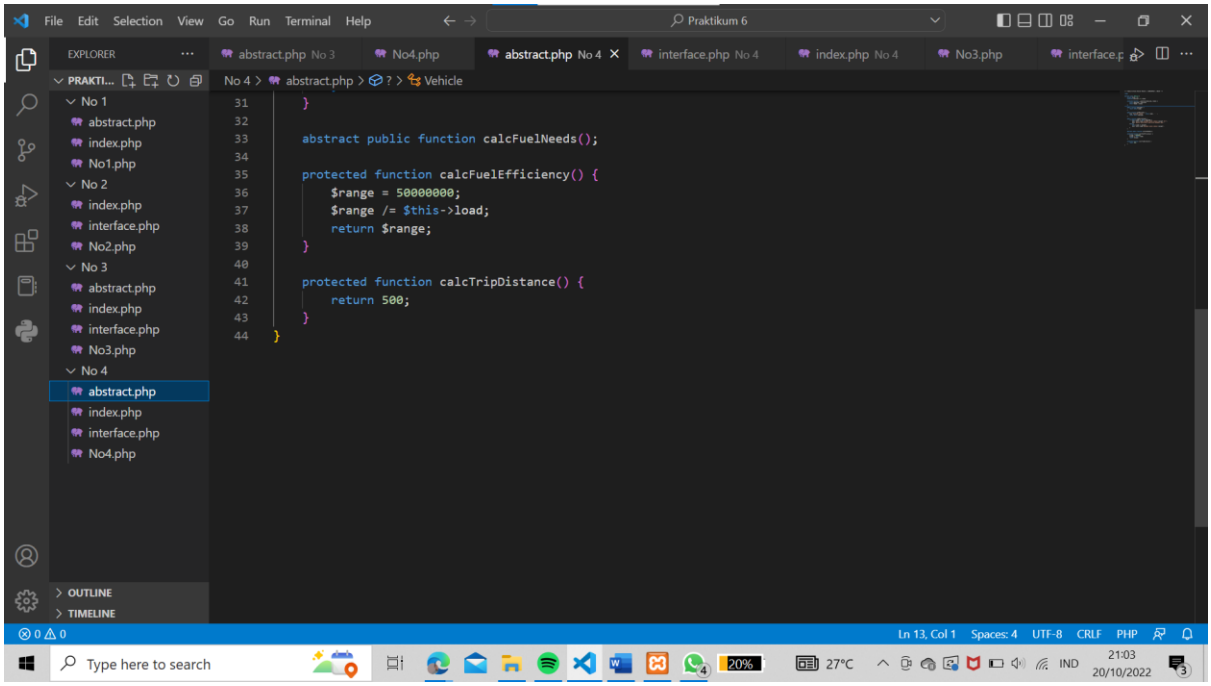
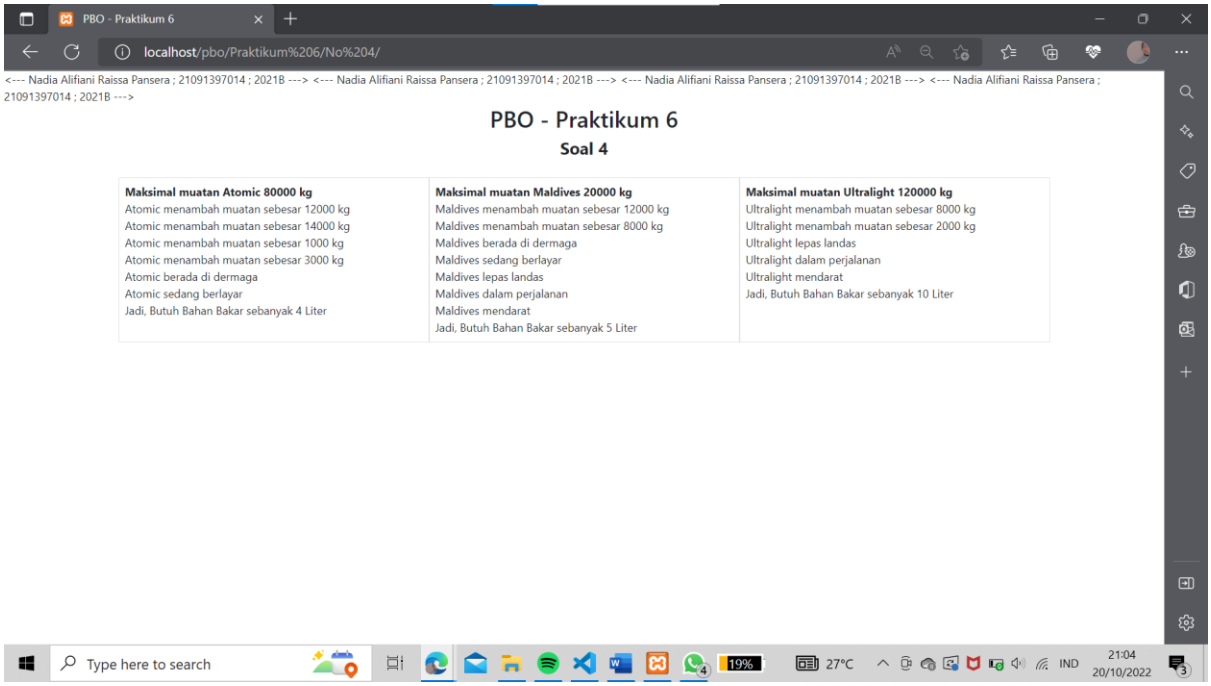


Figure 28 abstract.php

Output :


PBO - Praktikum 6
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<--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B ---> <--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B ---> <--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B ---> <--- Nadia Alifiani Raissa Pansera ; 21091397014 ; 2021B --->
PBO - Praktikum 6
Soal 4
Maksimal muatan Atomic 80000 kg
Atomic menambah muatan sebesar 12000 kg
Atomic menambah muatan sebesar 14000 kg
Atomic menambah muatan sebesar 1000 kg
Atomic menambah muatan sebesar 3000 kg
Atomic berada di dermaga
Atomic sedang berlayar
Jadi, Butuh Bahan Bakar sebanyak 4 Liter
Maksimal muatan Maldives 20000 kg
Maldives menambah muatan sebesar 12000 kg
Maldives menambah muatan sebesar 8000 kg
Maldives berada di dermaga
Maldives sedang berlayar
Maldives lepas landas
Maldives dalam perjalanan
Maldives mendarat
Jadi, Butuh Bahan Bakar sebanyak 5 Liter
Maksimal muatan Ultralight 120000 kg
Ultralight menambah muatan sebesar 8000 kg
Ultralight menambah muatan sebesar 2000 kg
Ultralight lepas landas
Ultralight dalam perjalanan
Ultralight mendarat
Jadi, Butuh Bahan Bakar sebanyak 10 Liter
Type here to search
19%
27°C
IND
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20/10/2022