PRAKTIKUM 5

Mata Kuliah Pemrograman Berorientasi Obyek



Oleh:

Salsabilla Octavianingrum 21091397005

PROGRAM STUDI D4 MANAJEMEN INFORMATIKA

FAKULTAS VOKASI

UNIVERSITAS NEGERI SURABAYA

1. Source Code: PHP

Restricted Mode ⊗ 0 △ 0

```
no1.php - Visual Studio Code
📢 File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
                     public $name;
public function __construct($name)
                          $this->name = $name;
                     public function getName()
                         return $this->name;
                     public $tunjangan;
public function __construct($name, $tunjangan)
{
                         parent::__construct($name);
$this->tunjangan = $tunjangan;
                    public function getTunjangan()
{
                          return $this->tunjangan;
31 public $eaii:

① Restricted Mode \otimes 0 \triangle 0
                                                                                                                                                        Ln 65, Col 40 Spaces: 4 UTF-8 CRLF PHP 👨 🚨
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
       no1.php X
                     public $gaji;
public function __construct($name, $gaji)
                        parent::__construct($name);
$this->gaji = $gaji;
                     public function getGaji()
                          return $this->gaji;
                      public static
function Proses($peg)
                           if ($peg instanceof Manager)
                               echo "<br/>br>Nama Manager: ".$man->name, "\n";
echo "<br/>br>Tunjangan: RP. ".strval($man->tunjangan), "\n";
                           else if ($peg instanceof Kurir)
                         $kur = $peg;
$kur = $peg;
echo "cbr>Nama Kurir: ".$kur->name, "\n";
echo "cbr>Gaji= RP. ".strval($kur->gaji), "\n";
```

Ln 65, Col 40 Spaces: 4 UTF-8 CRLF PHP 🛱 🚨

Output

21091397005 Salsabilla Octavianingrum

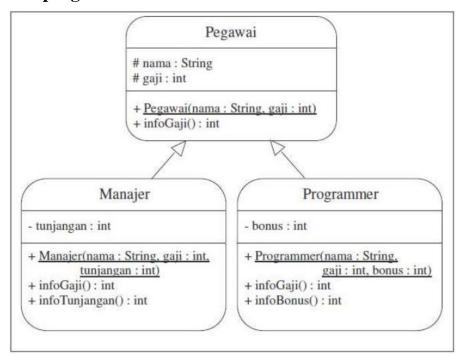
Nama Manager: Salsabilla Tunjangan: RP. 20000000

Nama Kurir: Asya Gaji= RP. 15000000

Analisa

Dalam kasus diatas implementasi dari polymorphic argument berada di class info dimana method info dibuat static supaya pemanggilannya tidak perlu diinisiasi, sehingga bisa langsung dimasukkan menjadi parameter pada method info di class info

2. Buat program berdasarkan UML berikut



Source Code: PHP

```
Tile Edit Selection View Go Run Terminal Help
  X Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
                              ₩ no2.php X
                      public function infoTunjangan()
                              return $this->tunjangan;
                         public function __construct($name, $gaji, $bonus)
{
                              parent::__construct($name, $gaji);
                              return $this->bonus:
                         public function hitungBayaran($peg)
                              $uang = $peg->infoGaji();
                              return $uang;
                         public static function main($args)
                                                                                                                                                                       Ln 61, Col 37 Spaces: 4 UTF-8 CRLF PHP 🛱 🚨
         ricted Mode 🔘 0 🛕 0
刘 Restricted Mode is intended for safe code browsing. Trust this window to enable all features. <u>Manage</u> <u>Learn More</u>
                               no2.php X
         no1.php
                               return $uang;
                          public static function main($args)
                              echo "Salsabilla Octavianingrum", "\n";
                             echo "Salsabilla Octavlaningrum", "\n";
echo "21091397005", "\n";
echo "<br/>br>", "<br/>
$man = new Manager("Salsabilla", 20000000, 45);
$prog = new Programmer("Asya", 18000000, 30);
$hr = new Bayaran();
echo "<br/>bryGaji Manager ". $man->name." : RP. ".strval($hr->hitungBayaran($man)), "\n";
echo "<br/>bryGaji Programmer ". $prog->name." : RP. ".strval($hr->hitungBayaran($prog)), "\n";
            61
```

Output

Salsabilla Octavianingrum 21091397005

Gaji Manager Salsabilla : RP. 20000000 Gaji Programmer Asya : RP. 18000000

Analisa

Program diatas adalah penerapan inheritance dengan konsep overriding, dimana pemanggilan construct di masing-masing class turunan hanya akan menginisiasi properti yang dimiliki dengan visibilitasprivate dan properti lain yang diturunkan akan langsung diinisiasi dengan construct dari parentnya.