

NAMA: INDAH SETYOWATI

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MATA KULIAH: PEMROGRAMAN BERORIENTASI OBJEK

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<?php

// CLASS BankAccount
class BankAccount {

    // Property
    public $accountNumber;           // public
    private $balance;                // private
    protected $accountHolderName;   // protected

    // Constructor
    public function __construct($accountNumber, $balance,
    $accountHolderName) {
        $this->accountNumber = $accountNumber;
        $this->balance = $balance;
        $this->accountHolderName = $accountHolderName;
    }

    // Setter & Getter accountNumber
    public function setAccountNumber($accountNumber) {
        $this->accountNumber = $accountNumber;
    }

    public function getAccountNumber() {
        return $this->accountNumber;
    }

    // Setter & Getter balance
    public function setBalance($balance) {
        $this->balance = $balance;
    }

    public function getBalance() {
        return $this->balance;
    }

    // Setter & Getter accountHolderName
    public function setAccountHolderName($name) {
        $this->accountHolderName = $name;
    }
}
```

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    public function getAccountHolderName() {
        return $this->accountHolderName;
    }

    // Static Method
    public static function interestRate() {
        return "2.5%";
    }
}

// SUBCLASS PremiumAccount
class PremiumAccount extends BankAccount {

    // Override method interestRate()
    public static function interestRate() {
        return "3.5%";
    }
}

// CLASS LAIN (Task 4)
class Employee {

    public $name;           // public
    private $salary;       // private
    protected $department; // protected

    // final property konstanta
    public const COMPANY = "PT Inovatek";

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

    public function getSalary() {
        return $this->salary;
    }

    public function getDepartment() {
        return $this->department;
    }
}

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    // static method
    public static function companyInfo() {
        return self::COMPANY;
    }

    // final method
    final public function showCompany() {
        return "Perusahaan: " . self::COMPANY;
    }
}

// Membuat Objek BankAccount
$bank1 = new BankAccount(
    "1915155813",
    3500000,
    "Indah Setyowati"
);

echo "<h2>Data Bank Account</h2>";
echo "Nomor Rekening: " . $bank1->getAccountNumber() . "<br>";
echo "Nama Pemilik: " . $bank1->getAccountHolderName() . "<br>";
echo "Saldo: Rp " . number_format($bank1->getBalance(),0,"",".") .
"<br>";
echo "Bunga BankAccount: " . BankAccount::interestRate() .
"<br><br>";

// Membuat Objek PremiumAccount
$premium = new PremiumAccount(
    "1620006428803",
    50000000,
    "Zaki Premium"
);

echo "<h2>Data Premium Account</h2>";
echo "Nomor Rekening: " . $premium->getAccountNumber() . "<br>";
echo "Nama Pemilik: " . $premium->getAccountHolderName() . "<br>";
echo "Saldo: Rp " . number_format($premium->getBalance(),0,"",".") .
. "<br>";
echo "Bunga PremiumAccount: " . PremiumAccount::interestRate() .
"<br><br>";

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```
// Membuat Objek Employee
$emp = new Employee(
    "Budi",
    7000000,
    "IT"
);

echo "<h2>Data Employee</h2>";
echo "Nama: " . $emp->name . "<br>";
echo "Gaji: Rp " . number_format($emp->getSalary(),0,"",".") .
"<br>";
echo "Departemen: " . $emp->getDepartment() . "<br>";
echo Employee::companyInfo() . "<br>";
echo $emp->showCompany();

?>
```