Week 6

Subject Subject	Object Oriented Programming
	Vipkas Al Hadid Firdaus S.T. M.T.
	Assignment
	Semester 3
■ Time	@October 8, 2023

Quiz 1

1. answers

- a. class is a template definition of the methods and variables in a particular kind of object
- b. object is an instance of a class, meaning that object can have state and behaviours
- c. by writing this code Laptop laptop = new Laptop(); inside the Barang class

2. answers

- a. encapsulation is a mechanism of wrapping the data (variables) and code acting on the data (methods) together as a single unit, this is important if we need a data that user can't change by user itself
- b. in the information system inventory, the class that is needed to be encapsulate is stock since we don't want the user to change the stock by themselves

3. answers

- a. it is a relation between class that is needed to run a certain code
- b. between item and category is that item can have category, but category cannot have item

4. answers

Week 6

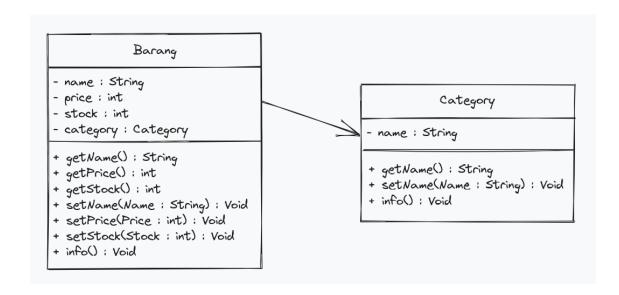
a. code

```
public class Barang {
    private String name;
    private int price;
    private int stock;
    public Barang(String name, int price, int stock){
        this.name = name;
        this.price = price;
        this.stock = stock;
    }
    public void setName(String name){
        this.name = name;
    public String getName(){
        return this.name;
    }
    public void setStock(int stock){
        this.stock = stock;
    public int getStock(){
        return this.stock;
    public void setPrice(int price){
        this.price = price;
    public int getPrice(){
        return this.price;
    public String info(){
        String info = "";
        info += "Name\t: " + this.name + "\n";
        info += "Price\t: " + this.price + "\n";
        info += "Stock\t: " + this.stock + "\n";
        return info;
    }
}
```

b. by giving private to the name, price, stock and using getter and setter so that it won't be changed by the user

Week 6

c. barang can have category, but category can't have barang



Week 6