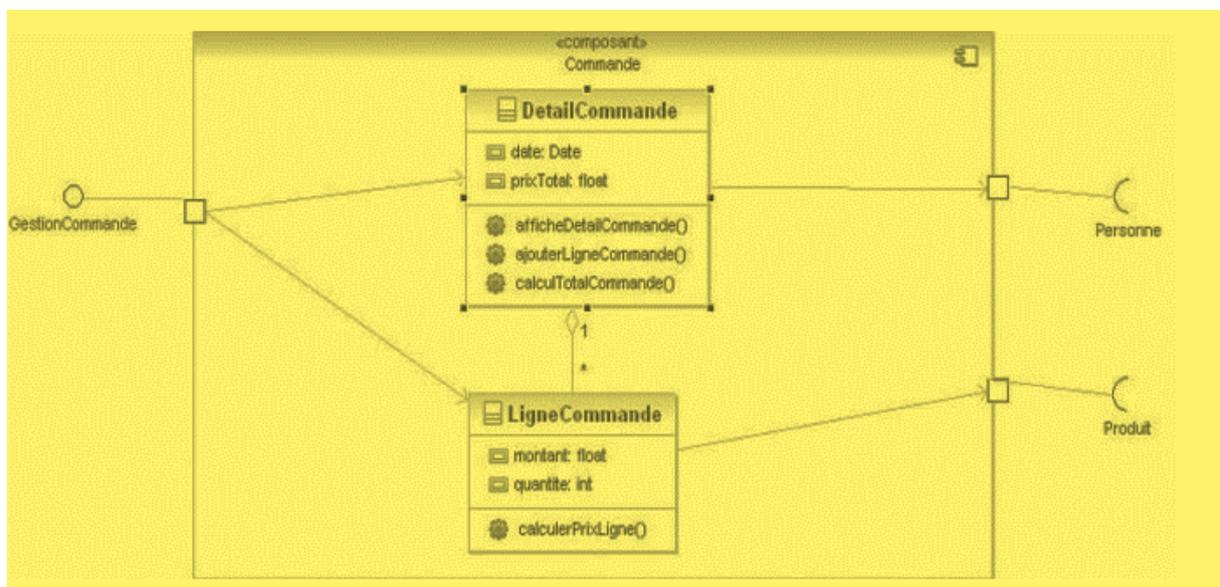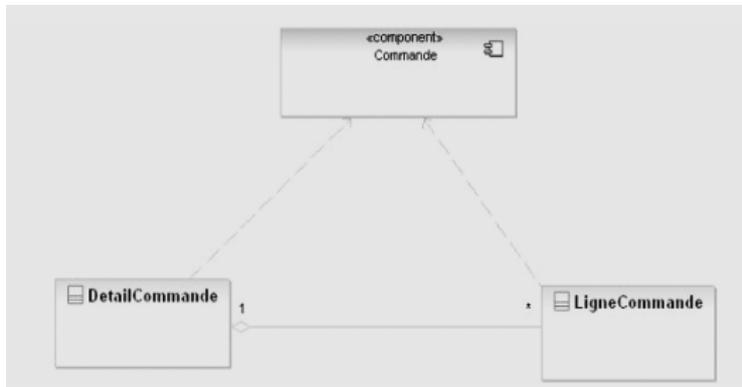# Supervised Work 6: Component & Deployment Diagrams

Exercise 1:

1. Develop the component diagram corresponding to the following statements:

   a) The **fraudAgent.dll component** contains the classes **Fraud Agent, Fraud Regulation** and **Pattern Research** .

   b) The **image.java component** depends on the interface **ImageObserver of the component.java** component.

   c) An application consisting of the following files:

   • a **register.cpp source code**

   • a program executable **registry.exe**

   • dynamic libraries **person.dll** and **cours.dll**. Dynamically linked libraries are used when running an application.

2. **Consider the following components diagrams:**

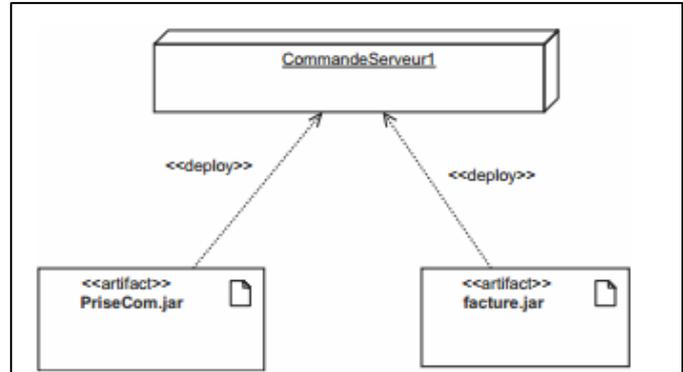**Identify the difference between the two diagrams.**
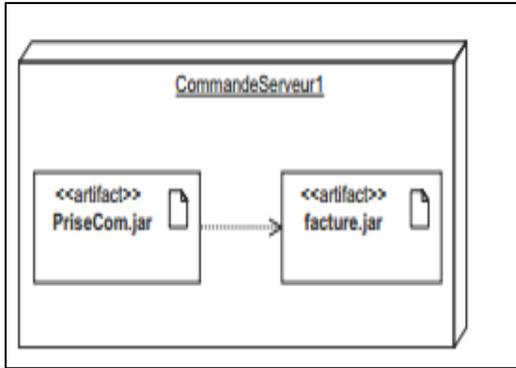
Exercise 2: A **hardware architecture** consists of a <u>**server,**</u> a <u>**kiosk**</u> and a **console.** The server uses a <u>**tower of hard drives**</u> mounted in RAID. The console <u>communicates</u> with the server via a <u>100b Ethernet link</u> and with the console via an RS232C link. The characteristics of the server are:

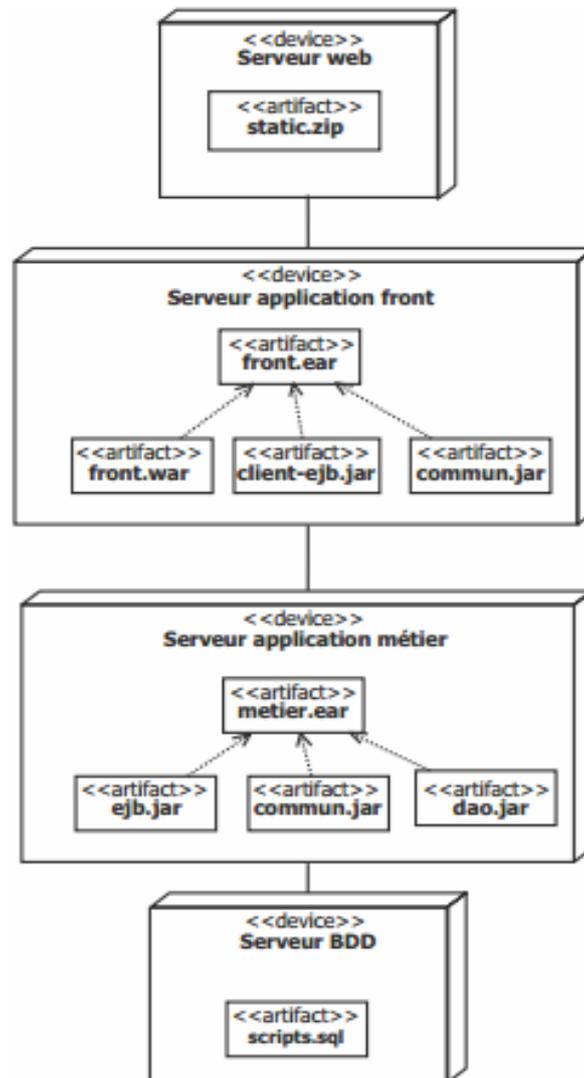- Pentium processor - RAM: 4 GB - 17 inch screen

Question: Show the corresponding deployment diagram.

Exercise 3:
1. What is the difference between the following two diagrams?

2. Consider the following deployment diagram:

- Explain the structure of this diagram.