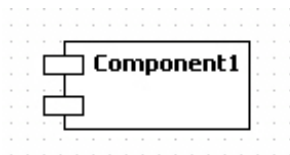| Ex No: 7a | |
|---|---|
| Date : 13/09/2021 | **COMPONENT DIAGRAM** |
| Video Link: | |

**OBJECTIVE**

Component diagrams fall under the category of an implementation diagram, a kind of diagram that models the implementation and deployment of the system. A Component diagram in particular, is used to describe the dependencies between various software components such as the dependency between executable files and source files.

**DESCRIPTION**

In a component diagram, classes and actors are listed as columns with vertical lifelines indicating the lifetime of the object over time.
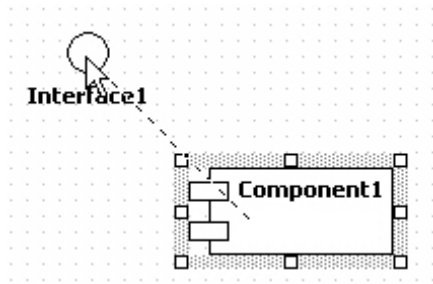
**Component**

A component represents a software entity in a system. Examples include source code files, programs, documents and resource files. A component is represented using a rectangular box, with two rectangles protruding from the left side



**Dependency**

A dependency is used to model the relationship between two components. The notation for a dependency relationship is a dotted arrow, pointing from a component to the component it depends on.

**ALGORITHM**

Step 1: Identify the software entities used in the system.

Step 2: The dependency relationship is drawn according to the system set up.

Step 3: The link is drawn between the components.

Step 4: Terminate the process after completion.

**OUTPUT:**

PASTE SEQUENCE DIAGRAM OF YOUR APPLICATION HERE

**RESULT:**

     The component diagrams are used in the implementation phase of software development to articulate the high level requirements of the system are drawn successfully.