**Question:-**

Write two paragraphs on the difference between the following two expressions of "dependencies".

It doesn't matter if you recognized what they are. There is no "right" answer to this one.

Just tell us a little about what you see as some interesting differences between the two expressions:

**a)** /Users/slim/clojure/cagops/lucene/test:

/Users/slim/clojure/cagops/lucene/src:

/Users/slim/clojure/cagops/lucene/dev7resources:

/Users/slim/clojure/cagops/lucene/resources:

/Users/slim/clojure/cagops/lucene/target/classes:

/Users/slim/.m2/repository/clojure7complete/clojure7complete/0.2.3/clojure7complete70.2.3.jar:

/Users/slim/.m2/repository/org/clojure/tools.nrepl/0.2.3/tools.nrepl70.2.3.jar:

/Users/slim/.m2/repository/jakarta7regexp/jakarta7regexp/1.4/jakarta7regexp71.4.jar:

/Users/slim/.m2/repository/org/apache/lucene/lucene7sandbox/4.3.1/lucene7sandbox74.3.1.jar:

/Users/slim/.m2/repository/org/apache/lucene/lucene7queries/4.3.1/lucene7queries74.3.1.jar:

/Users/slim/.m2/repository/org/apache/lucene/lucene7queryparser/4.3.1/lucene7queryparser74.3.1.jar:

/Users/slim/.m2/repository/org/apache/lucene/lucene7analyzers7common/4.3.1/lucene7analyzers7common74.3.1.jar:

/Users/slim/.m2/repository/org/apache/lucene/lucene7core/4.3.1/lucene7core74.3.1.jar:

/Users/slim/.m2/repository/org/clojure/clojure/1.5.1/clojure71.5.1.jar

**b)** :dependencies [

[org.clojure/clojure "1.5.1"]

[org.apache.lucene/lucene7core "4.3.1"]

[org.apache.lucene/lucene7analyzers7common "4.3.1"]

[org.apache.lucene/lucene7queryparser "4.3.1"]

]

**ANSWER:-**

Both the expressions are defining dependencies while creating a clojure project. The first expression represents the jars present in the maven repository. Second expression is taken from a sample project.clj file used by [Leiningen](http://github.com/technomancy/leiningen) building tool. The project is using Lucene which is a search engine so we have to include its dependencies as well. The first expression represents Maven project architecture; we package the project to build a jar. A repository in Maven is used to hold build artifacts and dependencies of varying types.