

## Advanced Java Questions & Answers – Application Lifecycle – Ant, Maven and Jenkins

This set of Advanced Java Multiple Choice Questions & Answers (MCQs) focuses on “Application Lifecycle – Ant, Maven and Jenkins”.

1. Which of below is not a dependency management tool?

- a) Ant
- b) Maven
- c) Gradle
- d) Jenkins

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Answer: d

Explanation: Jenkins is continuous integration system. Ant, Maven, Gradle is used for build process.

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2. Which of the following is not a maven goal?

- a) clean
- b) package
- c) install
- d) debug

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Answer: d

Explanation: clean, package, install are maven goals. Debug is used finding and resolving of defects.

3. Which file is used to define dependency in maven?

- a) build.xml
- b) pom.xml
- c) dependency.xml
- d) version.xml

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Answer: b

Explanation: pom.xml is used to define dependency which is used to package the jar. POM stands for project object model.

4. Which file is used to specify the packaging cycle?

- a) build.xml
- b) pom.xml
- c) dependency.xml
- d) version.xml

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Answer: a

Explanation: Project structure is specified in build.xml.

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5. Which environment variable is used to specify the path to maven?

- a) JAVA\_HOME
- b) PATH
- c) MAVEN\_HOME
- d) CLASSPATH

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Answer: c

Explanation: MAVEN\_HOME should be set to the bin folder of maven installation.

6. Which of the below is a source code management tool?

- a) Jenkins
- b) Maven

c) Git

d) Hudson

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Answer: c

Explanation: Source code management tools help is version control, compare different versions of code, crash management, etc. Git, SVN are popular source code management tools.

7. Can we run Junits as a part of Jenkins job?

a) True

b) False

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Answer: a

Explanation: As a part of jenkins job, we can run junits, fitnessse, test coverage reports, call shell or bat scripts, etc.

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8. Which command can be used to check maven version?

a) mvn -ver

b) maven -ver

c) maven -version

d) mvn -version

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Answer: d

Explanation: mvn -version can be used to check the version of installed maven from command prompt.

9. Which of the following is not true for Ant?

a) It is a tool box

b) It provides lifecycle management

c) It is procedural

d) It doesn't have formal conventions

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Answer: b

Explanation: Ant doesn't provide lifecycle management. Maven provides lifecycle.

10. Which maven plugin creates the project structure?

a) dependency

b) properties

c) archetype

d) execution

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Answer: c

Explanation: Archetype is the maven plugin which creates the project structure.

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