**Java Maven Exam Questions (Duration: 60 min)**

**Please submit the answer sheet and the project that has been asked below to a same repository in git hub. Please add me as coordinator.**

**Section-A:**

1. **Which of the following command removes the target directory with all the build data before starting the build process?**

[**A.**](javascript:%20void(0))mvn clean

[**B.**](javascript:%20void(0)) mvn build

[**C.**](javascript:%20void(0)) mvn compile

[**D.**](javascript:%20void(0)) mvn site

1. **Which of the following is not a maven goal?**

[**A.**](javascript:%20void(0))clean

[**B.**](javascript:%20void(0))package

[**C.**](javascript:%20void(0))install

[**D.**](javascript:%20void(0))debug

1. **Which of the following phase-in maven lifecycle performs actions required after integration tests have been executed? For example, cleaning up the environment**

[**A.**](javascript:%20void(0)) post-integration-test

[**B.**](javascript:%20void(0)) pre-integration-test

[**C.**](javascript:%20void(0)) integration-test

[**D.**](javascript:%20void(0)) None of the above

1. **Apache Maven is a software project management and comprehension tool.**
2. True
3. False
4. **Is Maven can manage a project's build, reporting, and documentation from a central piece of information?**
5. Yes
6. No
7. **In Maven, POM stands for \_\_\_.**
8. Project Object Model
9. Process Object Model
10. Project Object Method
11. All of the above
12. **\_\_\_ contains information about the project and various configuration detail used by Maven to build the project(s).**
13. POM
14. OOPS
15. Both A and B
16. None of the above
17. **Which of the following are the phases of Maven Build Lifecycle?**
18. validate
19. prepare-resources
20. compile
21. All of the above
22. **Which of the following is not type of Maven Repository?**
23. local
24. remote
25. central
26. Dependency
27. **What is the use of mvn package command in Maven?**
28. Clears the target directory into which Maven normally builds your project.
29. Builds the project and packages the resulting JAR file into the target directory.
30. Prints out the version of Maven you are running.
31. All of the above
32. **Which of the following command builds the project described by your Maven POM file and installs the resulting artifact (JAR) into your local Maven repository?**
33. mvn install
34. mvn verify
35. mvn package
36. None of the above
37. **Which of the following is used by maven?**
38. config.xml
39. pom.xml
40. META-INF
41. None of the above
42. **What is the sequence in which maven looks for the resources?**
43. Local -> Remote - Maven Central
44. Remote-> Local -> Maven Central
45. Remote-> Maven Central - > Local
46. None of the above
47. **Maven is used to do which of the following?**
48. Build software development projects
49. Publish software development projects
50. Deploy software development projects
51. All of the above
52. **Which of the following aspects of a project can be managed using maven?**
53. Builds
54. Reporting
55. Documentation
56. All of the above
57. **Maven plugins are generally used to create ............**
58. jar file
59. ear file
60. war file
61. All of the above
62. **Which command can tell the version of maven?**
63. mvn version
64. mvn --version
65. maven -version
66. maven –version
67. **Which of the following phase in maven life cycle generates any test source code to be included in compilation phase?**
68. process-classes
69. process-test-sources
70. generate-test-sources
71. None of the above.
72. **Maven Plugins are generally used to:**
73. compile code files.
74. [unit testing of code.](javascript:void(0);)
75. [Both of the above.](javascript:void(0);)
76. [None of the above.](javascript:void(0);)

**When dependency in central repository is not found, then Maven searches dependency in remote repository.**

1. True
2. False

**Section B:**

1. Create Maven project which includes dependencies of **apache poi** to read data from xlsx file. Need to read rows from xlsx file. Take any sample xlsx file and perform read operations.

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<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>org.example</groupId>

<artifactId>AppMaven</artifactId>

<version>5.0</version>

<packaging>jar

</packaging>

<properties>

<maven.compiler.source>17</maven.compiler.source>

<maven.compiler.target>17</maven.compiler.target>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<!-- https://mvnrepository.com/artifact/org.apache.poi/poi -->

<dependency>

<groupId>org.apache.poi</groupId>

<artifactId>poi-ooxml</artifactId>

<version>3.15</version>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>

</project>

……………………………..

import org.apache.poi.hssf.usermodel.HSSFSheet;

import org.apache.poi.hssf.usermodel.HSSFWorkbook;

import org.apache.poi.ss.usermodel.Cell;

import org.apache.poi.ss.usermodel.FormulaEvaluator;

import org.apache.poi.ss.usermodel.Row;

import org.apache.poi.xssf.usermodel.XSSFSheet;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import java.io.FileInputStream;

import java.io.IOException;

public class Main {

public static void main(String[] args) throws IOException {

//take input in byte stream from located xlsx file

FileInputStream fileInputStream = new FileInputStream("..\\AppMaven\\src\\main\\resources\\pradip.xlsx");

try{

XSSFWorkbook workBook = new XSSFWorkbook(fileInputStream);

XSSFSheet sheet = workBook.getSheetAt(0);

int totalRows = sheet.getPhysicalNumberOfRows();

System.out.println("total no of rows >>>>"+totalRows);

} catch (IOException e) {

e.printStackTrace();

}

} }