What is the purpose of the core module in AEM?

Ans: The core module contains all the modules that are essential for the backend functioning of the project

What kind of files and code can be found in the core folder?

Ans: The core folder contains servlets,filters and listeners, it also contains the OSGI bundles

Explain the role of ui.apps in AEM projects.

Ans: The ui.pps contains the frontend components of the application

How are components structured in the ui.apps folder?

Ans:ui.apps/src/main/content/jrc\_folder/apps/com/component/component-name

**Hello World Component:**

* Where is the Hello World component located in both core and ui.apps?

Ans :core/src/main/java/mytraining/core/components/helloworld

* Explain the Java class (in core) for the Hello World component.

Ans: The java class in the helloworld component acts as a sling model to manage the data of the component

* How does the HTL script work in ui.apps for Hello World?

Ans:The HL script renders the content of the component on the frontend page

* How are properties and dialogs defined for this component?

Ans:The properties and dialogs are defined as a part of the java content repository

What are the different types of AEM modules (core, ui.apps, ui.content, etc.)?

Ans:AEM contains core,ui.apps,content and OSGI modules.

How does Maven build these modules?

Ans:Maven uses the pom.xml file to define the build configurations for the project.

Explain the build lifecycle of Maven in the context of AEM.

Ans: Steps involved in the maven life cycle are compile ,test ,package and deploy.

How are dependencies managed in pom.xml?

Ans: The dependencies are managed in two levels parent-pom.xml which is the root pom file of the project and the pom.xml contained in each specified module

Why is Maven used instead of other build tools?

Ans: maven enables easy dependency management using the pom.xml file in the parent folder as well as the specific module folder

What advantages does Maven offer for AEM development?

Ans:Maven provides dependency management using the pom.xml file

How does Maven help in managing dependencies and plugins in AEM projects?

Ans:Maven provides centralized dependency management maven automatically handles the installation and version handling of these dependencies

What does mvn clean install do in an AEM project?

Ans: The mvn clean command cleans all the previously compiled files and their corresponding artifacts

How to deploy packages directly to AEM using Maven commands?

Ans: mvn clean install – Pdeploy, this command deploys the packages using the aem maven plugin

Explain the purpose of different Maven profiles in AEM (autoInstallPackage, autoInstallBundle).

Ans: by configuring the maven profiles we can easily change the configurations for different deployment environments

What is the purpose of dumplibs in AEM?

Ans:dumplibs is used for debugging the contents of the java content repository

How can you view client libraries using dumplibs?

Ans:client libraries can be accessed from the clientlibs folder present inside the java content repository

Explain how client libraries are structured in AEM.

Ans:The client library contains the static contents like css,javascript and other frontend resources,these libraries are organized inside the java content repository