1. Difference between Gradle and Maveen ?

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| Gradle is based on developing domain-specific language projects. | Maven is based on developing pure Java language-based software. |
| It uses a Groovy-based Domain-specific language(DSL) for creating project structure. | It uses Extensible Markup Language(XML) for creating project structure. |
| Developing applications by adding new features to them. | Developing applications in a given time limit. |
| It performs better than maven as it optimized for tracking only current running task. | It does not create local temporary files during software creation hence uses large time. |
| It avoids compilation. | It is necessary to compile. |
| It is a new tool, which requires users to spend a lot of time to get used to it. | This tool is a known tool for many users and is easily available. |
| This tool is highly customizable as it supports a variety of IDE’s. | This tool serves a limited amount of developers and is not that customizable. |
| It supports software development in Java, C, C++, and Groovy. | It supports software development in Scala, C#, and Ruby. |

1. what is difference between yaml and properties file?

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| Human Readable (both do quite well in human readability) | Human Readable |
| Supports key/val, basically map, List and scalar types (int, string etc.) | Supports key/val, but doesn’t support values beyond the string |
| Its usage is quite prevalent in many languages like Python, Ruby, and Java | It is primarily used in java |
| Hierarchical Structure | Non-Hierarchical Structure |
| Spring Framework doesn’t support @PropertySources with .yml files | supports @PropertySources with .properties file |
| If you are using spring profiles, you can have multiple profiles in one single .yml file | Each profile need one separate .properties file |
| While retrieving the values from .yml file we get the value as whatever the respective type (int, string etc.) is in the configuration | While in case of the .properties files we get strings regardless of what the actual value type is in the configuration |

1. what is profiles in spring boot?

A profile is a set of configuration settings. Spring Boot allows to define profile specific property files in the form of application-{profile}

1. what is entity and different types of mappings ?

An entity is any singular, identifiable and separate object. It refers to individuals, organizations, systems, bits of data or even distinct system components that are considered significant in and of themselves.

There are four . commonly used implementations of Map in Java SE: HashMap, TreeMap, Hashtable, and LinkedHashMap

1. What is spring boot logging?

Spring Boot uses Commons Logging for all internal logging but leaves the underlying log implementation open. Default configurations are provided for Java Util Logging, Log4J2, and Logback. In each case, loggers are pre-configured to use console output with optional file output also available.