

1. Spring Boot

1. framework. use to simplify the development of spring based applications.
2. It is **ideal for developing micro services**. Because it will allow you to build lightweight independent deployable applications.
- 3.

Features:

1. Simplified configuration. In hibernate we have to configure the cfg.hibernate.xml file so we don't have to do anything. everything is auto configured.
 2. Standalone applications.
 3. Spring Initializer : an Online Tool. use to generate Quickly projects templates.
 4. Developmental tools : faster development.
 5. It provide embedded Servers. - don't need to install external servers. like tomcat server.
 6. starter dependencies- pre defined some dependencies. like spring boot starter web. to use common features.
 7. It support multiple databases with minimal configurations.
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Why Spring Boot when we have Hibernate ?

1. Spring boot is a framework for building the applications. and reduce the complications.
2. and also it also provides tools for creating the REST APIs , for handling security, for enabling database operations.

3. Hibernate is an ORM tool. it is use to simplify database interactions.
 4. Spring boot is use to develop the full stack application.
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Spring Boot

1. Build Full stack App operations.
2. **Scope**- Entire application.
Mappings.
Build Web Applications, banking Applications etc.
3. **Uses** Hibernates internally.
with framework.
also called (JPA)
4. auto configuration.
Configuration.

Hibernate

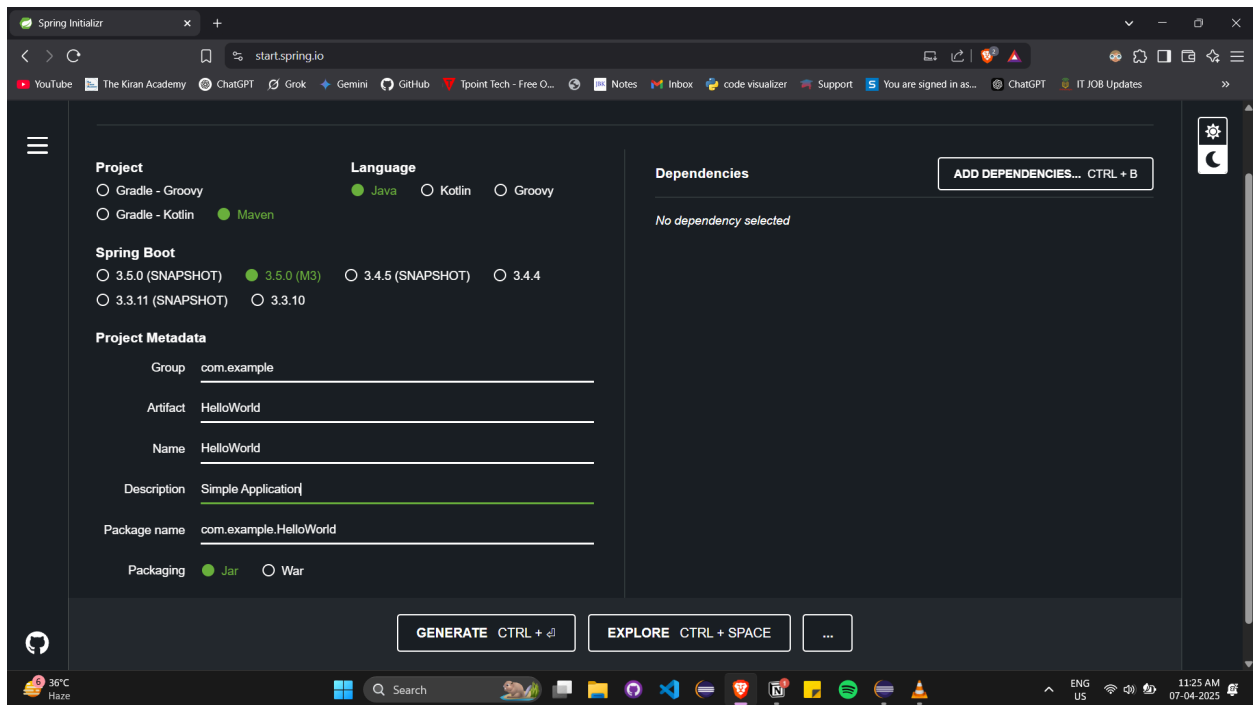
1. simplifying database
 2. **Scope**- Database
 3. **use** standalone or
 4. Require Manual
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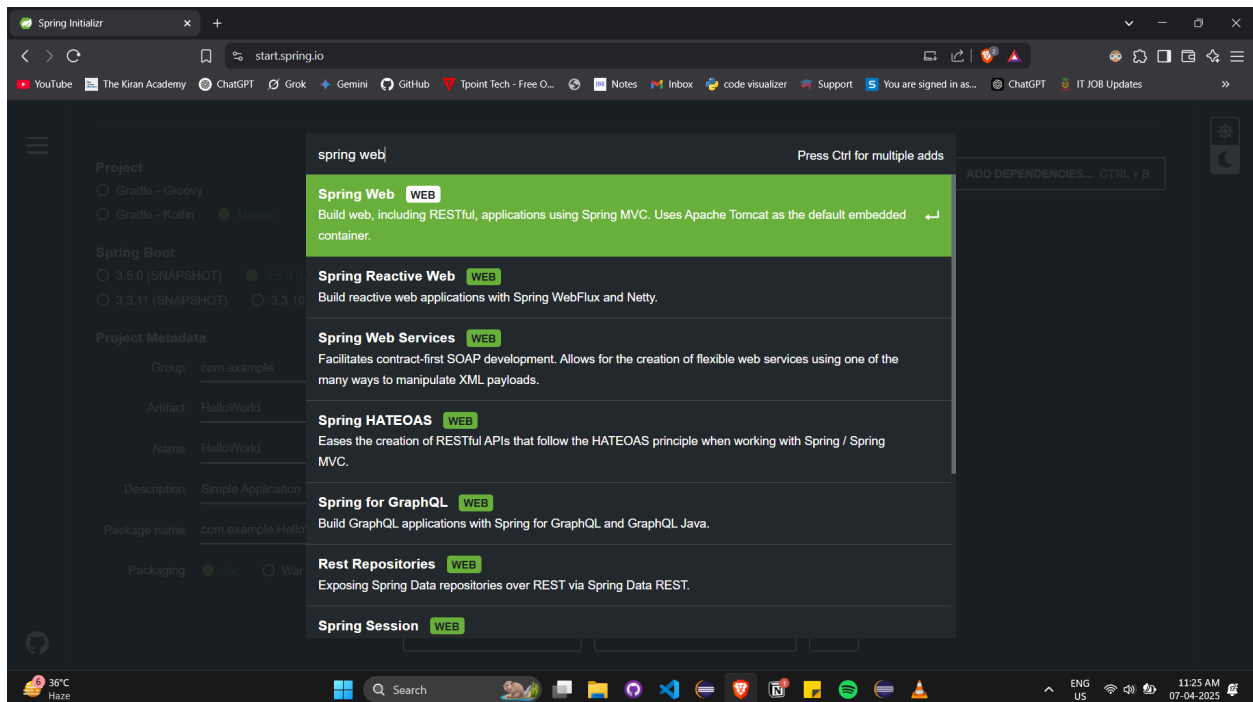
How to install spring boot.



1. go to <https://start.spring.io/> (Spring initializer).
2. See the image



- select the latest version but ignore the snapshot version.
- also we can add dependencies.
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- after that **click on generate**.

Now open eclipse - File → Import → MAVEN → Existing Maven Projects → Select the extracted file → Finish.

