How to make a new project in spring boot , new spring project, spring initializr, initializer , initilijer

->just search spring initializr, : start.spring.io || [Spring Initializr](https://start.spring.io/)

* Dependency ,
  + web dependency (spring web),
  + jpa (spring data jpa) to connect with database
  + Mysql driver
* How to open file / folder to intellije directly using cmd , command : idea64 .

**While making ExamPortal**

* **Make spring boot project**
* **Create schema in mysql workbench “quiz” ke naam se**
* **Now we have to do database configuration**
* # database configuration  
  spring.datasource.url=jdbc:mysql://localhost:3306/appname  
  #?serverTimeZone=UTC  
  spring.datasource.username=root  
  spring.datasource.password=password  
    
  # may be not compulsory to write the driver  
  spring.datasource.driver-class=com.cj.jdbc.Driver  
    
  #hibernate configuration/jpa configuration  
  spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL8Dialect  
  spring.jpa.hibernate.ddl-auto=update   
  # isse first time jab project chalega to khud ba khud saari entities ban jayegi orkhud table column ban jayenge  
    
  spring.jpa.show-sql=true   
  # iss hamare query fire hone ke baad terminal pe dikh jayega  
  spring.jpa.properties.hibernate.formate\_sql=true   
  # it will formate the query which will be seen in terminal , it will make query easily readable
* **We will make another package inside com.Appname with name “model” to store all database related things like users detail and all**
* **How to create angular project**
  + **Search Angular cli,** 
    - **npm i -g @angular/cli**
    - **“ng help” to know more commands related to angular**
    - **“Ng serve” to run angular app**
* **Angular material** 
  + **ng add @angual/material**
  + **source:** [Getting started | Angular Material](https://material.angular.io/guide/getting-started)

**How to use angular material:**

**For using component: import that component api code to src/app/app.module.ts**

**And add this line in app.module.ts file**

import {MatButtonModule} from '@angular/material/button';

**also write “MatButtonModule” inside @ngModule > imports**

* **for adding bootstrap grid only css in angular project**

**write**

"./node\_modules/bootstrap-grid-only-css/dist/css/bootstrap-grid.min.css"

This above line in “angular.json” inside styles[]

**Source:** [dmhendricks/bootstrap-grid-css: The grid and responsive utilities classes extracted from the Bootstrap 4 framework, compiled into CSS. (github.com)](https://github.com/dmhendricks/bootstrap-grid-css)

* **how to run typescript file,**

**when we run ts code it gets converted to js code then it gets run successfully,**

Typescript code -> compile to javascript -> Run javascript

**Note: Make sure u have node, and npm install**

**sol: make sure nodejs is installed in system then u need to install typescript compile also by writing this line of code in termina**

npm install -g typescript

**and there u go for running a typescript file make sure its name ends with ‘.ts’ and then u can run this file by “tsc filename.ts”**

**it will generate .js file then run this file by “node filename.js”**

**source:** [How to run typescript files from the command line. | Cloudhadoop](https://www.cloudhadoop.com/typescript-execute-files-command-line/)

by the way there are two way to run typescript file

* **one by tsc file.ts, it will generate js file then u need to run this also**

**so basically its two way process**

* **other way is to run by “ts-node file.ts” it will directly run the typescript file, and for this u need to do, “npm i -g ts-node” in terminal.**