# H2 related configurations

<dependency>  
 <groupId>com.h2database</groupId>  
 <artifactId>h2</artifactId>  
 <version>2.2.220</version>  
 <scope>**compile**</scope>  
</dependency>

1. Make sure this dependency is since compile time onwards

Only when this jar is and data jpa jar is also mandatory from which H2Dialect will comes

1. So ensure data jpa jar is also present

<dependency>  
 <groupId>org.springframework.boot</groupId>  
 <artifactId>spring-boot-starter-data-jpa</artifactId>  
</dependency>

For sql server url is

spring.datasource.url=jdbc:sqlserver://localhost:14330;database=pub;user=sa;password=aa

jdbc:h2://localhost:8080:testdb

jdbc:mysql://localhost:3306;database=mani;user=root;password=MANIdeep@1234

jdbc:mysql://localhost:3306/mani;user=root;password=MANIdeep@1234

3) add all these properties

#for h2 these are all the properties  
spring.datasource.url=jdbc:h2:mem:testdb  
spring.datasource.driverClassName=org.h2.Driver  
spring.datasource.username=sa  
spring.datasource.password=1234  
spring.jpa.database-platform=org.hibernate.dialect.H2Dialect  
#unless u enable, h2 cant be accessed from browser

spring.h2.console.enabled=true

spring.jpa.show-sql=true

1. Launch h2 console at following place

<http://localhost:8080/h2-console>

# MYSQL related properties

When my sql is not started goto services.msc🡪 start MYSQL80

spring.datasource.url=jdbc:mysql://localhost:3306/mani?createDatabaseIfNotExist=true&useUnicode=true  
spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver  
spring.datasource.username=manideep  
spring.datasource.password=MANIDEEP  
spring.jpa.show-sql=true  
spring.jpa.hibernate.ddl-auto=update  
spring.jpa.properties.hibernate.dialect = org.hibernate.dialect.MySQL8Dialect  
spring.jpa.databse-platform = org.hibernate.dialect.MySQL8Dialect

# Sample queries

<https://www.tutorialspoint.com/h2_database/h2_database_select.htm>

**Create query**

CREATE TABLE student (

id INT NOT NULL,

name VARCHAR(50) NOT NULL,

address VARCHAR(20) NOT NULL

);

## Mysql properties

spring.datasource.url=jdbc:mysql://localhost:3306/mani?createDatabaseIfNotExist=true&useUnicode=true  
spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver  
spring.datasource.username=manideep  
spring.datasource.password=MANIDEEP  
spring.jpa.show-sql=true  
spring.jpa.hibernate.ddl-auto=create  
spring.jpa.properties.hibernate.dialect = org.hibernate.dialect.MySQL8Dialect  
spring.jpa.databse-platform = org.hibernate.dialect.MySQL8Dialect